SarimZafar

YOUR TRUSTED AI AND CLOUD SOLUTIONS PARTNER

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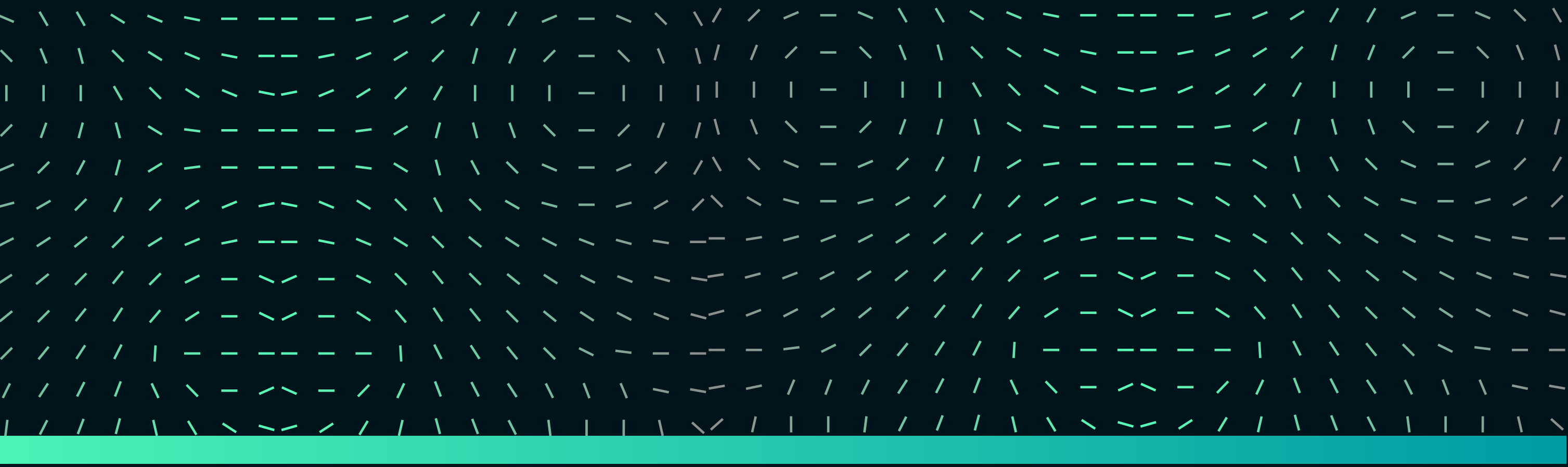Bucharest, Romania

MindKeepr
THE KNOWLEDGE RETENTION COMPANY

ORIENTUM
BRIDGING SUCCESSES

aws certified Developer Associate

aws certified Solutions Architect Associate

Cloud Engineer — GOOGLE CLOUD CERTIFIED · ASSOCIATE

Services

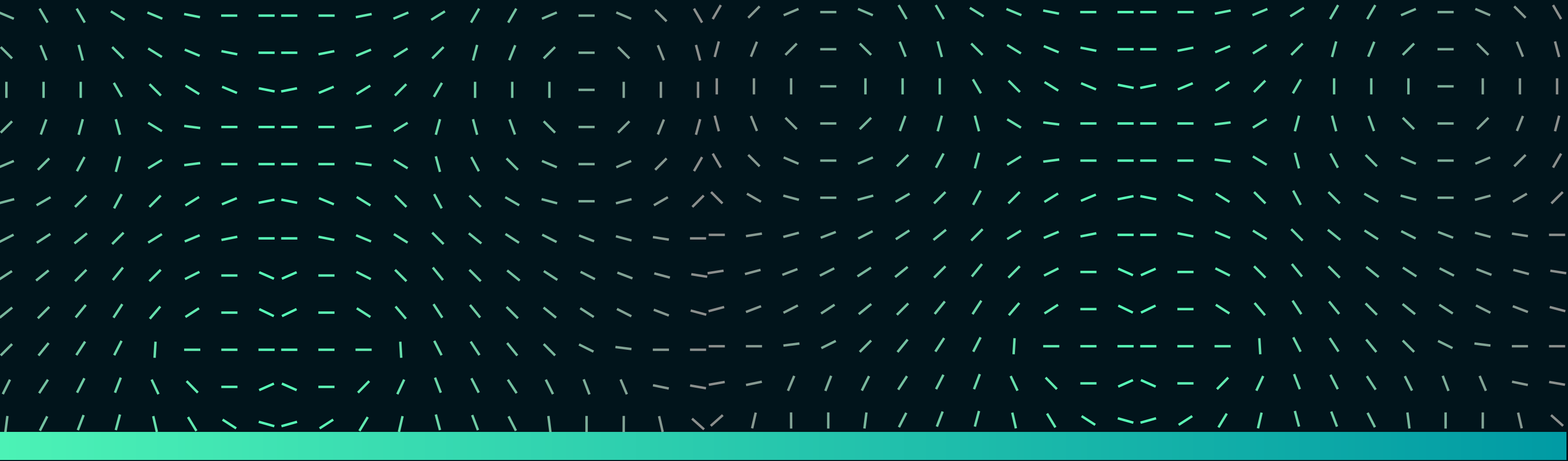# Custom Cloud Solutions and Migration Services

DevOps and LLMOps Engineering

Custom AI Agent Development

AI Audit and Transparency Solutions

On-going Projects

MindKeepr AI: The Knowledge Retention Platform

Multilingual Customer Support Agent (VoiceAI)

Orientum: AI Powered Job Portal

FindMyBooking: AI Powered Booking platform

Technologies

Model Context Protocol (MCP), AgentSDK, AWS Bedrock, AWS Cloudformation, AWS Lambda, Pinecone, OpenAI Whisper, Azure Speech Studio, Twilio
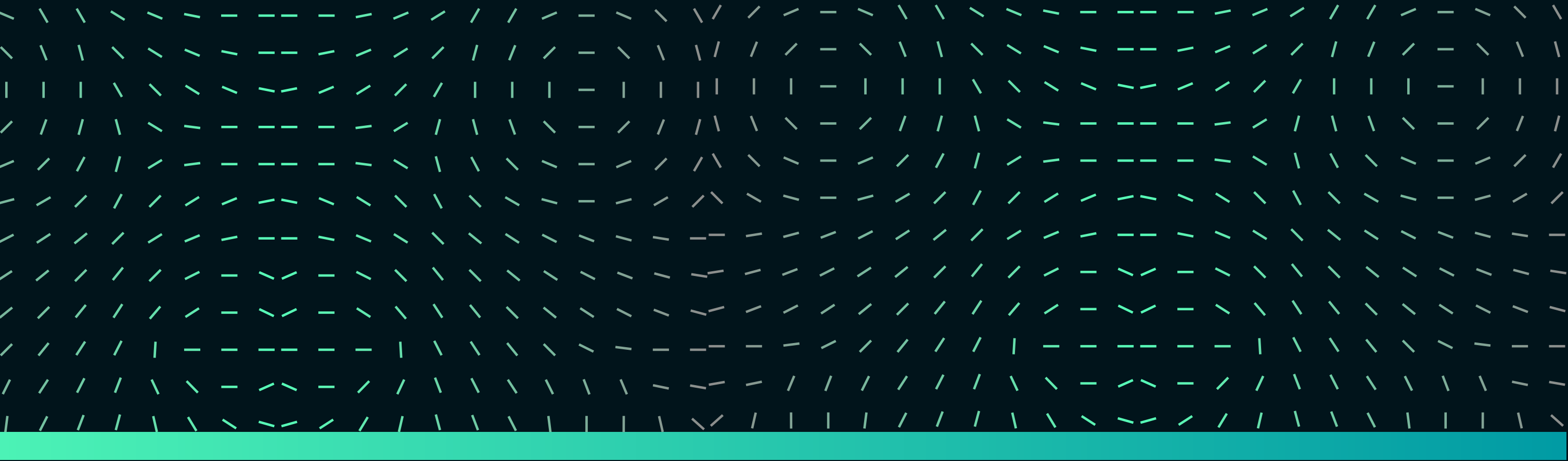
Workload

3 months

Team

10 Developers

Role

Managing Director AsmaraAI OÜ

Outcome

Looking foward to optimise processes and resources across organisation using AI Agents

Projects Portfolio

Platform Operations at BMW

Project Goals

- Streamline the delivery of content (texts, media, etc.) from group marketing departments via the WCMP (Web-Content Platform)
- Continuously develop and refine the WCP (Web Cloud Platform) to provide cutting-edge technologies and services for internal customers, including country organizations, brands, and finance service providers.
- Implement high levels of automation through Infrastructure as Code (IaC) practices to enhance operational efficiency.

Accomplishments

- Developed and integrated new features and services for BMW web applications, including configurators and end-customer services like BMW Pay.
- Employed Infrastructure as Code (IaC) methodologies to ensure high levels of automation within the AWS Cloud environment.
- Established and managed CI/CD workflows utilizing GitHub Actions to streamline development and deployment processes.
- Executed comprehensive test automation and Fault Injection Simulation (FIS) to guarantee the resilience and performance of BMW services.
- Collaborated closely with architects and DevOps engineers to execute development modifications and manage operational activities.
- Consistently achieved and maintained a 100% SLA for BMW customers utilizing the BMW platforms.

Technologies

AWS CDK, AWS CloudFront, Route53, AWS ECS, Grafana, DynamoDb,
AWS EventBridge, OpenTelemetry, Typescript, AWS Lambda,IAM, Github Actions, Jenkins, Snyk

Workload

36 months

Project Team

4 DevOps, 3 Developers, 1 UX, 1 Project Manager

Role

Operations Manager

Outcome

Successfully mitigated numerous High and Critical requests from the BMW customers achieving 100% SLA

Sales Application for Fielmann

Project Goals

- Creation of application which should seamlessly guide employees through the customer journey, from initial identification to order placement.
- Simplify and digitise existing steps within the customer consultation process, such as anamnesis, refraction, product selection, and ordering.
- Facilitate a unique ordering model where the employee places the order for the customer.
- Centralize Customer Data

Accomplishments

- Microservices Architecture: Designed and implemented a microservices architecture for the Sales Application, ensuring scalability, flexibility, and independent development.
- GraphQL Adoption: Embraced GraphQL as a backend integration pattern, optimizing data fetching for the frontend and simplifying service discovery.
- AWS and Serverless: Leveraged AWS serverless container services (Fargate) for a cost-effective and scalable cloud deployment.
- Successfully integrated Entra ID, Fielmann's company-wide single sign-on (SSO) solution, for secure authentication.
- Scayle E-commerce Platform: Extended Scayle to support the unique 'salesperson places order' model.

Technologies

AWS Fargate, AWS AppSync, Route53, CloudFront, Pulumi, DynamoDb,
AWS EventBridge, Cloudwatch, Typescript, Datadog, Scayle, EntraID (formerly AzureAD)

Workload

6 months (Fulltime)

Project Team

1 Solutions Architect, 4 Developers, 1 UX

Role

Solutions Architect

Outcome

Successful deployments of MVP started in Q2 2024 in different stores of Fielmann

Real-time Business Insights engine for Kaufland and Lidl

Project Goals

- Develop a real-time video analytics MVP focused on mitigating significant theft losses in 27000 Kaufland and Lidl stores across Europe. Prioritize rapid detection of suspicious activities for immediate alerting.
- Optimize customer flow for a smooth shopping experience.
- Analyze bottlenecks, checkout lane usage, and shopping trolley availability to improve store operations.
- Gather actionable insights into customer shopping patterns.

Accomplishments

- Requirements & Strategy: Spearheaded requirements analysis, aligning business goals and use cases with Kaufland and Lidl brand objectives.
- Architecture: Designed event-driven architecture for scalability and real-time insights engine capabilities.
- Recognition Integration: Embedded AWS Rekognition for object/anomaly detection from the ingested video streams.
- Device Onboarding: Leveraged AWS IoT Core for camera onboarding, and managed stream consumption via Kinesis Video Streams.
- Data Management: Stored analytics data extracted using Kinesis Data Analytics in AWS DynamoDb.
- Anomaly Detection: Implemented Rules Engine for continuous video analysis, enabling automated security alerts.

Technologies

AWS Lambda, AWS Rekognition, AWS Kinesis Data Stream, AWS Data Analytics, AWS IoT Core, DynamoDb, AWS EventBridge, AWS SNS, Terraform, Cloudwatch, X-Ray, CloudTrail, Golang

Workload

18 months (Fulltime)

Project Team

1 Solutions Architect, 4 Developers, 1 PO

Role

Senior Solutions Architect

Outcome

Orchestrated successful deployment of MVP in Spain and Portugal, resulting in a 30% Q4 2023 theft reduction.

PRTG Hosted Monitoring on the Cloud

Technologies

AWS Step Functions, AWS Lambda, Python, node.js, EC2, EC2 Image Builder, VPC, AWS CDK, IAM, Cognito User Pool, AWS Config, AWS Security Hub, WAF, Cloudwatch, CloudTrail, X-Ray, Python

Project Goals

- Making PRTG a globally accessible resource monitoring solution, serving a diverse clientele of 500K+ users.
- Developing a SaaS delivery pipeline via AWS Cloud
- Guaranteeing customers rapid access to the latest software updates.

Accomplishments

- Architected and developed a cloud-native, multi-tenant platform using AWS CDK, empowering PRTG's scalable SaaS delivery.
- Developed a streamlined PRTG deployment process for customers using AWS VPC, EC2, and EBS using Python automation via AWS Lambda and Step Functions.
- Created CICD strategy for our components and leveraged AWS Config, and Security Hub to enforce robust security policies across the platform
- Creating PRTG release pipeline with an EC2 Image Builder pipeline, ensuring customers have immediate access to the latest versions

Workload

12 months

Project Team

2 Developers, 1 DevOps

Role

DevSecOps Engineer

Outcome

Growth from 30 pilot customers to paying 16K customers in 2 years

Paessler's Building Monitoring

Project Goals

- Integrate IoT sensors with AWS IoT Core for streamlined building monitoring.
- Implement analytics and alerting on IoT data stored in AWS DynamoDB and Timestream.
- Design an event-driven architecture using AWS Lambda for scalable, "zero-touch" data processing.
- Automate infrastructure provisioning with AWS CDK and establish a robust CI/CD pipeline using Gitlab.
- Send Alerts and warnings in case of emergency

Accomplishments

- Developed 35+ AWS Lambda functions (Javascript) and integrated them with AWS API Gateway, S3 Events, DynamoDB Streams, and SNS for comprehensive data processing and alerting.
- Utilized AWS CloudFormation to streamline infrastructure deployments across all environments.
- Prioritized security with auditing, IAM policies, AWS Config Rules, Secrets Manager, WAF, and Shield to safeguard the infrastructure.

Technologies

AWS Lambda, AWS Step Functions, Kubernetes, SNS, API Gateway, IAM, Cognito, CloudFormation, AWS Glue, AWS S3, AWS DynamoDb, AWS Timeseries, AWS Route53, AWS CloudFront, AWS WAF, AWS Config, AWS Certificates Manager, AWS Cloudwatch, IoT Core, AWS CloudTrail, AWS X-Ray, javascript, node.js

Workload

15 months (Fulltime)

Role

Senior DevOps Engineer

Outcome

Growth from 5 pilot customers to paying 2000 customers in 2 years

Remote Vehicle Data platform on AWS at Elektrobit

🎯 Project Goals

- On-boarding vehicular sensors using AWS IoT Core
- Ingesting data from various vehicle sensors using AWS Kinesis Stream
- Retaining large data in AWS DynamoDB and performing analytics using AWS Glue
- Implement serverless container hosting with AWS Lambda in Java and Typescript
- Design and deploy Custom Device authentication and authorization mechanism
- Setup system monitoring using AWS Cloudwatch.
- Developing CloudFormation templates for automating resource creations along different stages
- Creating Jenkins CI/CD pipelines

🏅 Accomplishments

- The system is made scalable and highly available to handle 300K vehicular sensors
- A cross-region Disaster Recovery solution has been implemented, comprising RDS cross-region replication, DynamoDB scheduled backups, and S3 buckets sync
- Cloudwatch setup has been customized to suit custom monitoring requirements. 18 custom metrics configured for dashboards relevant for SysOps, Developer and PO.
- 70 AWS Lambda programmed following patterns involving API Gateway, DynamoDB Stream, S3 Events and SNS

⚙ Technologies

AWS Lambda, AWS ElasticBeanstalk, AWS RDS, Cloudwatch, AWS S3, AWS DynamoDB, SNS, AWS Glue, AWS IoT Core, CloudFormation, Kubernetes, Helm, Jenkins, Java and Typescript

🕐 Workload

approx. 2.5 years (Fulltime)

👥 Role

Senior (Cross-Functional) Engineer

GCP Cloud Data Engineer at Accenture

Technologies

Google Kubernetes Engine, Dataflow, Helm, CloudBees CI, Docker, Java, Terraform, GCP PubSub

Project Goals

- Creating the financial risk analysis software for the customer assets
- Developing terraform templates for automating resource creations along different stages
- Making data compatible to be used by other systems in the organization
- Creating integration and deployment staging strategies

Workload

approx. 6 months (Fulltime)

Accomplishments

- Created ETL Pipelines in Dataflow
- Written numerous APIs in Java Spring, dockerized and deployed in Kubernetes.
- Written terraform templates for the creation of resources on GCP
- Created CICD pipelines for several components in CloudBees with the mentality of "You Build it, You Run it"

Role

GCP Data Engineer

AWS Development and DevSecOps for Bellwether LLC, Berkeley, CA

🎯 Project Goals

- Development and maintenance of a robust, automated, and highly available cloud-based infrastructure platform for the Bellwether Automated Roasting System.
- Securiting the Bellwether Automated Roasting System located at the edge locations

🏅 Accomplishments

- Designed and implemented secure device onboarding and authentication using AWS Step Functions and Cognito Identity Pool, streamlining the initial setup process for Roasters.
- Established a robust user authentication and authorization system using AWS Cognito User Pools, ensuring secure access and role-based permissions for different user groups.
- Automated deployment processes with CI/CD pipelines and CloudFormation templates, enabling rapid, consistent, and reliable software delivery across environments.
- Championed a DevSecOps approach and integrated Snyk into development workflows, prioritizing security throughout the software development lifecycle.

⚙️ Technologies

AWS Lambda, Step Functions, API Gateway,Fargate, DynamoDB, IoT Core, Certificates manager, Snyk, Terraform, Gitlab CICD, Docker

🕐 Workload

415 hrs

👥 Role

Freelance DevOps Engineer

👤 About Client

Series C Startup in US of 45 million USD

Container execution on serverless platform (AWS/GCP)

Technologies

AWS Lambda, Step Functions, AWS S3, AWS API Gateway, Code Build, Code Deploy, GCP Functions, Python, Django, Docker, Terraform, Auth0

Project Goals

- Creating a platform for the SMBs to help them migrate the application on AWS and GCP

Workload

306 hrs

Accomplishments

- Created Terraform templates for the resources in AWS and GCP
- Created workflow to create migration strategy using AWS Step Functions
- Triggering Lambdas to initiate migration in AWS and GCP platforms
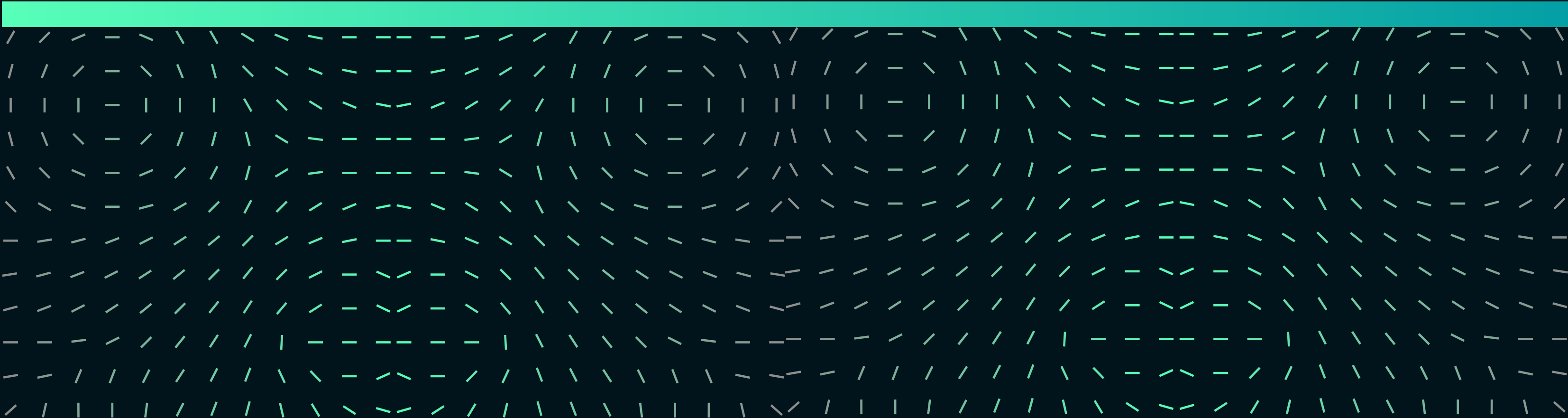- Creating Authentication/Authorization mechanism using AWS Cognito

Role

Freelance Cloud Engineer

About Client

Pre-Seed Startup in Ohio, US

Testimonials

I had the pleasure of working with Sarim Zafar at Fielmann Group AG, where he was an integral part of our team as a Solution Architect. Sarim's expertise was pivotal in developing a future-proof architecture for our application, showcasing his forward-thinking approach and technical prowess. He's not just a skilled professional but also a delightful colleague, known for engaging in meaningful technical discussions that enrich the team's knowledge and cohesion. Sarim's ability to tackle complex tasks independently and his significant contributions have left a lasting impact on our team. I eagerly look forward to collaborating with Sarim again on future projects and highly recommend him for his exceptional skills and team spirit.

Jochen Block

Product Owner at Fielmann AG

Sarim is an exceptional talent, making both technical and cultural contributions to our team, and that makes sense because DevOps is a culture of collaboration and Sarim embodies those values. We look forward to working with him in future projects!

Marcos Polanco

VP of Software Engineering at Bellwether Coffee, Berkeley, California

Sarim, is as talented with creating elegant solutions to complex problems, as he is intrinsically dedicated to supporting his team and continuous improvements.

As a direct example of how exceptional would, Sarim joined Paessler's Cloud/IoT business, and not only did he onboard faster than all expectations, he decided to document his experiences and learnings so his existing and new team colleagues could benefit from his learnings. All without any management request or even a "how about .. " from a colleague. He simply is that kind of person.

Working with Sarim was a pleasure I hope I have the privilege to repeat. He is an asset to any team he joins, and a natural born leader.

He has my upmost support, and recommendation.

Aaron Gregg

Vice President Product Development at Paessler AG

Our project created a distributed AWS-cloud-based system collecting data from vehicles such as speed, mileage, GPS position, etc. Working for a huge German client the project involved over 40 colleagues in our company and about the same number of partner developers and spanning about 4 years in total.

Sarim joined our team as Software Engineer in August 2017. Since then, he has been delivering excellent results by being persistent, hardworking and without complains even on tedious tasks. Being thrown into a lot of brand new topics and technologies, Sarim was always eager, enthusiastic to learn and also to adopt new methodologies incl. Kanban, agile mind set and many more.

Sarim grew a lot even during the short period of time by taking over more and more responsibilities from other experienced experts. If there were important project deliveries or milestones to reach, I could always rely on Sarim. In summary, Sarim is hardworking, eager to learn, result oriented which makes him grow faster in his areas of responsibilities.

Christoph Kuhnke

Project Manager at Elektrobit GmbH, Germany

Sarim is an optimistic, kind and highly motivated and skilled professional. Working with Sarim is fun and goal oriented! He was a great addition to our development team.

Taudo Wenzel

Client while working at Accenture

Sarim is a very sincere and dedicated developer that I have worked with. He has shown great character highlighted by his willingness to continuously learn and thrive to improve self. We worked as a team and solved problems together. Sarim's willingness to take up new assignments and putting efforts to sail through them marks him as a self-starter, a budding leader and motivated individual who needs minimal guidance. Sarim is a great addition to any team. Good luck!

Animesh Chakraborty

Worked together for RVD Project at Elektrobit GmbH GmbH