

## Software Engineer & Product Developer

*Success maximising targets and results in digital business via effective product management and development.*

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I am a result-driven professional, experienced in working with clients, contractors and employers through all the product life cycles. Successful in leading teams and delivering strategic plans, processes and solutions to direct and expedite product development. Always making sure that results are delivered in a scalable and efficient manner to ensure the longevity of the work. Highly skilled in solving problems, improving processes and automating systems to meet company goals and enhance business growth.

## Career Experience

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### eCERTO

#### LEAD SOFTWARE & PRODUCT DEVELOPER - (Dec 2021 – Present) · 3 years

eCERTO is a start-up developing an innovative SaaS platform aimed at modelling capital projects to prevent cost overruns. I joined during a pivotal phase when external contractors were developing the MVP. As the first in-house Product Developer, I took on responsibilities beyond development, including managing external contractors to ensure the MVP's successful delivery. This achievement showcased my technical and leadership abilities, earning me a promotion to Lead Software Developer. In my new role, I successfully led the evolution of our technology from MVP to its first commercial release, INTEGRATI Lite.

#### Projects

- **Planned and managed** INSISO's and Bellrock's development teams to finalise the MVP.
- **Planned, managed and led** the in-house team for the migration of the codebase from Vue to React, resolving crippling technical debt that had stalled development.
- **Planned and led** the successful development of eCERTO's first commercial product: INTEGRATI Lite.
- **Migrated** INTEGRATI's DevOps and Deployment Management from contractor to eCERTO's servers. **Re-engineered** cloud and CI/CD pipeline architectures to enable scalable single-tenant deployments and greatly reduce cloud costs by 70%

#### Responsibilities

- **Planning of technical scope for projects**, performing code/quality reviews and leading full-stack development and maintenance for the main SaaS product. (React, TypeScript, ASP.NET, C#, SQL, Python, GitHub, Copilot.AI, Cursor.AI, ESLint, Agile-SCRUM)
- **Managing development operations** of code repositories, CI/CD pipelines, cloud architecture and tenant deployments. (GitHub, Azure DevOps, Azure Cloud, GoDaddy)
- **Managing** contractor teams and our in-house team successfully by setting up and implementing Jira processes, sprint planning, user story creation, user acceptance testing, and SCRUM ceremonies. (Jira, Miro, Notion, Loom)
- **Collaborating and managing relationships** in weekly meetings to plan new functionality, align on upcoming sprints and deliver progress reports to the board of directors, stakeholders, contractors and internal users. (Slack, Teams)
- **Maintaining technical and functional documentation** of the product, deployments, codebase, database, CI/CD pipelines, cloud architecture and new staff member's records. (Notion, draw.io, Miro, Figma)

*Continued...*

- **Onboarding, training and supervising** new team members on business logic, correct implementation of code patterns, best practices, effective approaches to work, and use of AI for development.
- **Supporting** the company in recruiting new members through CV analysis, technical interviews, and initiatives for grants, programs, and tax return applications.

### Other achievements

- Implemented Microsoft Founder-Hub program to bring Azure cloud costs to zero.
- Created company's first comprehensive documentation for its technology INTEGRATI as well as codebase, database, operational processes and onboarding for technical staff. This allowed for efficient training of new members and quicker iterations over software development life cycle. (Notion, Loom)
- Developed the company's first comprehensive documentation for cloud and CI/CD pipeline architecture and tenant deployment enabling any team member to create consistent and cost-effective deployments as well as expediting the time for deployment setup from 3 days to 4 hours.
- Prepared the eTECHNOLOGY department for ISO 27001 certification and actively participated in the audit, answering all inquiries to secure the accreditation. This enabled us to meet client requirements for handling sensitive project data.
- Supported recruitment of first in-house development team through university in-person outreach, CV analysis, and technical interviews for over 20+ prospects.
- Successfully onboarded 11 new employees for eTECHNOLOGY department. scaling our in-house team size and enabling the successful completion of multiple projects.
- Trained and supervised new team member to take over my responsibilities as junior SCRUM Master and Product Owner and maintain ISO standards allowing our team to have a dedicated member for this role enabling me to lead development more effectively.
- Implemented a sophisticated ESLint schema, enhancing code consistency, best practice adherence, and reducing maintainability and code review time.
- Promoted and set-up "Copilot AI" on GitHub for all team members to enhance coding speed and efficiency.

### Robert Gordon University

#### Data Scientist and Back-End Developer – (Jan 2021 - Dec 2021) · 1 year

After completing my master's degree, I was offered by the university a contract as a technical consultant, contributing to cutting-edge healthcare and industrial AI projects. I collaborated with international teams and researchers, bridging technical and communication gaps while delivering innovative solutions.

### Projects & Responsibilities

- **Developed** a cardiovascular prediction application, implementing backend functionality and resolving complex bugs. I was also tasked with building an interactive mock-up, enabling effective presentation of unstable features to stakeholders as well as facilitated cross-cultural communication between the development team in Mexico and project managers in Scotland. (Python, Spyder IDE, Git, Figma, Slack)
- **Developed** complex data structures and algorithms to support AI-powered blueprint analysis and generation for oil and gas infrastructure, collaborating closely with PhD researchers. (Python, Google Colab, NumPy, Pandas)

## Education & Credentials

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MASTER'S IN DATA SCIENCE (MERIT), Robert Gordon University, 2020 to 2021

HONOURS IN COMPUTER SCIENCE, (2:1), Robert Gordon University, 2016 to 2020

**Professional Skills:** Leadership, Project Management, Software development life cycle, Agile Scrum Methodology, Teamwork, communication, Software Architecture, Full-Stack Development, DevOps, Reliable, Focused, Motivated.

**Technical Proficiency:** HTML/CSS, JavaScript, React.js, TypeScript, Vue.js, ASP.NET, C#, Python, MySQL, Azure DevOps, Azure Cloud, Azure Data Studio, GitHub, Git, R, RStudio, Jira, Notion, Slack, Loom, Miro, Figma, GitHub Copilot, Cursor AI, Vs-Code, Google Collab, MS Office (Word, Outlook, PowerPoint, MS Excel, Teams), Visual Studio 2022.

## Interests

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In my free time I like to spend time away from screens, I enjoy practicing mindfulness, cooking, exercise and stretch. I also like socializing and enjoy trying new things.