JEFF BARNETTE

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Professional Summary

Innovative and results-driven Senior Software Engineer with over 8 years of experience designing and delivering high-performance, scalable SaaS platforms and enterprise solutions. Proficient in Python (Django, Flask, FastAPI), JavaScript (Vue.js, React, Node.js), and a wide array of modern frameworks and cloud technologies. Adept at leading remote Agile teams, integrating cutting-edge AI solutions, and leveraging cloud platforms like AWS to drive impactful results. Passionate about solving complex challenges, mentoring teams, and delivering secure, user-focused software solutions.

Technical Skills

Programming Languages:	Python, JavaScript, TypeScript, SQL, PHP, Java
Frameworks & Libraries:	Django, Flask, FastAPI, React, React Native, Vue.js, Node.js, TensorFlow, PyTorch, Scikit-Learn
Cloud Platforms:	AWS, Google Cloud, Azure, Heroku, DigitalOcean
Databases:	MySQL, PostgreSQL, MongoDB, DynamoDB, Neon, Firebase, Aurora
DevOps & Tools:	Docker, Kubernetes, CI/CD, Git, GitHub Actions, Jenkins, Nginx, Redis
AI & Machine Learning:	Generative AI (GPT, Claude, Grok, Gemini, etc.), LangGraph, AutoGen, MCP, RAG, OpenCV
Agile & Collaboration:	Scrum, Kanban, SAFe, Linear, Jira, Slack, Zoom, MS Teams, Azure DevOps, Miro, Figma
Soft Skills:	Team Leadership, critical thinking, mentoring, communication, problem-solving

Professional Experience

Upwell - Senior Full-Stack Software Engineer   Feb 2025 - Current

Remote

- Designed and implemented innovative features using modern web technologies (NextJS, React, TypeScript) to address complex logistics and transportation challenges, enhancing operational efficiency.

- Integrated AI services and models into logistics workflows, automating manual processes such as document processing for Bills of Lading (BOLs), Proofs of Delivery (PODs), and freight invoices, streamlining supply chain operations.

- Developed intelligent systems for rate optimization and carrier matching, leveraging AI tools to improve decision-making and cost efficiency in transportation logistics.

- Engineered seamless integrations with Transportation Management Systems (TMS) including Descartes, ensuring robust and scalable solutions.

- Architected scalable systems that effectively combined logistics workflows with AI capabilities, driving operational excellence and system reliability.

- Led technical discussions and mentored team members on AI integration best practices, promoting a collaborative and innovative startup team environment.

- Applied deep expertise in TypeScript, React, and modern web architectures to deliver high-quality, production-ready applications.

- Leveraged AI-powered development tools (e.g., Cursor, GitHub Copilot) to enhance development efficiency and code quality.

- Contributed to successful systems integrations with QuickBooks, ensuring accurate and efficient data flow across systems.

GroundCloud (Descartes) - Senior Full-Stack Software Engineer

Aug 2022 - Feb 2025 (2.5 Years)

Remote

- Played a key role in developing new features and driving improvements of a high-traffic SaaS platform used by FedEx and other delivery teams, focusing on performance, scalability, and security.

- Designed and implemented unit and integration tests within a robust CI/CD pipeline, ensuring seamless deployments and high-quality code delivery.

- Played a key role in leading Agile workflows (daily stand-ups, project planning, Kanban tracking), promoting alignment across remote teams and ensuring timely delivery.

- Actively contributed to cross-functional design discussions, conducted code reviews, and resolved complex production issues with minimal downtime by applying modern solutions and staying current with emerging technologies.

BringFido - Senior Full-Stack Software Engineer

Mar 2021 - Aug 2022 (1.5 Years)

Remote

- Developed and maintained a high-traffic travel booking platform, ensuring PCI compliance and optimal performance.

- Modernized the codebase, leading a successful migration from legacy Python 2.x/Django 1.x to Python 3.x/Django 4.x, significantly enhancing functionality and security.

- Integrated key third-party APIs (e.g., Google Authentication, Expedia, Booking.com) to improve the user experience and platform functionality.

- Leveraged AWS services, including Elastic Beanstalk, CloudSearch, and API Gateway, to bolster scalability and reliability.

- Collaborated in a fully remote Agile environment, contributing to Kanban tracking and leveraging tools like Slack, Jira, and Zoom for effective team communication.

BriteCore - Full Stack Software Engineer

Oct 2018 - July 2022 (3.8 Years)

Remote

- Delivered secure and user-friendly SaaS solutions tailored for the insurance industry, utilizing technologies like Python, Django, Flask, and Vue.js.

- Designed and managed an API demo platform featuring RESTful APIs, secure token authentication, and tools for prototyping and ETL functions.

- Played a critical role in developing infrastructure tools for testing, including a mock integration service and automated Selenium tests.

- Collaborated with clients to deliver proof-of-concepts and responded to RFI/RFPs, supporting business growth and addressing client needs.

- Streamlined AWS environments by implementing CloudFormation, Service Catalog, and CloudFront, ensuring robust and scalable deployments.

- Applied LEAN, SAFe, and Kanban methodologies to maintain efficiency in a fully remote Agile setup, participating in stand-ups and team retrospectives.

Education

Bachelor of Arts in Information Technologies   Southern New Hampshire University

Manchester, NH

• Graduated Summa Cum Laude with a 4.0 GPA

• Outstanding Graduate Award recipient

• President's List honoree every semester

• Member of the National Society of Leadership and Success

A list of professional recommendations and additional work experience is available at jeffbarnette.com