

Courtney Smith

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Location: London, United Kingdom

Summary

Passionate and detail-oriented programmer with over 5 years of experience in software development. Proficient in building scalable applications with a strong focus on backend technologies. Adept at working in Agile environments and driving projects from conception to deployment. Eager to leverage expertise in Node.js, Flask, and PostgreSQL to contribute to innovative tech solutions.

Experience

Senior Software Engineer

Tech Innovations Ltd, London

January 2021 - Present

- Developed and maintained a **microservices architecture** for a large-scale e-commerce platform using **Node.js** and **Flask**, resulting in a 30% increase in system performance and a 25% reduction in downtime.
- Led a team of 5 developers in implementing a **Machine Learning Pipeline** that optimized inventory management, achieving a 15% reduction in excess stock.
- Spearheaded the integration of **Redis** for caching, which improved response times by 40%.
- Implemented DevOps practices, including CI/CD pipelines with **Docker**, enhancing deployment speed and reliability.

Software Developer

Innovatech Solutions, London

June 2018 - December 2020

- Collaborated on a data-driven project that utilized **PostgreSQL** and **Data Science** techniques to analyze user behavior, leading to actionable insights and a 20% increase in user retention.
 - Designed and developed RESTful APIs with **FastAPI** and **Go**, streamlining interactions between frontend and backend systems.
 - Worked closely with product managers to transition the development process to Agile methodology, achieving quicker turnarounds on releases.
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Skills

- **Node.js**: Expert
 - **Flask**: Advanced
 - **PostgreSQL**: Expert
 - **Redis**: Expert
 - **Data Science**: Intermediate
 - **FastAPI**: Intermediate
 - **Go**: Advanced
 - **TypeScript**: Intermediate
 - **Rust**: Intermediate
 - **DevOps**: Intermediate
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Projects

Machine Learning Pipeline

- Developed a comprehensive machine learning pipeline to automate data processing and predictive analytics for inventory management, which decreased manual processing time by 50%.

Microservices Architecture

- Architected a microservices-based solution for an e-commerce platform, enabling independent deployment of services and enhancing scalability. Reduced average response time by 30%.
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Certifications

- **Scrum Master Certification**
Scrum Alliance, 2020
 - **Docker Certified Associate**
Docker, Inc., 2021
 - **AWS Certified Solutions Architect**
Amazon Web Services, 2022
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Education

Bachelor of Science in Computer Science

University of London

Graduated: June 2018

- Relevant Coursework: Software Development, Database Management, Machine Learning
 - Final Year Project: Developed a web application that utilizes machine learning algorithms for real-time data prediction.
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References

Available upon request.