Kathleen White

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Location: West Stephenberg

Summary

Innovative and results-driven software engineer with over 5 years of experience in developing scalable web applications and microservices. Proficient in leveraging advanced technologies to drive efficiency and improve user experience. A strong advocate for Agile methodologies and continuous improvement, with a passion for data science and machine learning. Committed to delivering high-quality code and fostering collaborative team environments.

Experience

Software Engineer

Tech Innovations Inc. - West Stephenberg, NY
June 2019 - Present

- Led the development and deployment of a **Real-time Chat System** for a major client, utilizing **Node.js** and **WebSocket** technologies, reducing latency by 30% and enhancing user engagement.
- Designed and implemented a robust **Microservices Architecture** for an e-commerce platform, which improved system scalability and decreased downtime by 25%.
- Collaborated with cross-functional teams to develop a **Machine Learning Pipeline**, integrating data analysis with production

systems, resulting in a 40% increase in predictive accuracy for user behavior models.
- Utilized **Jenkins** for CI/CD processes, increasing deployment frequency by 50% and significantly reducing the lead time for changes.

Junior Developer

CodeCrafters Ltd. - West Stephenberg, NY
January 2018 - May 2019

- Participated in the development of a **Web Application** using **JavaScript** and **FastAPI**, which improved customer satisfaction ratings by 20%.
- Assisted in database management using **PostgreSQL**, implementing optimized queries that enhanced retrieval speeds by 15%.
- Contributed to team Agile practices as a Scrum Master, facilitating daily stand-ups and sprint planning sessions, improving team productivity by 35%.

Skills

- **Git:** Advanced
- **MySQL:** Beginner
- **PostgreSQL:** Advanced
- **TypeScript:** Advanced
- **Jenkins:** Expert
- **C++:** Advanced
- **JavaScript:** Expert
- **Java:** Advanced
- **FastAPI:** Advanced
- **Data Science:** Expert
- **Node.js:** Expert
- **Microservices:** Expert

Projects

- **Real-time Chat System:** Developed a scalable chat application supporting 1000+ concurrent users, implementing WebSocket for real-time communication.
- **Microservices Architecture:** Architected a microservices framework for an e-commerce platform, enabling independent deployment and better resource allocation.
- **Machine Learning Pipeline:** Created an automated pipeline for data preprocessing and model training, improving prediction accuracy for user personalization features.
- **Web Application:** Built a responsive web application using JavaScript and FastAPI, leading to a 20% increase in user engagement.

Certifications

- **Docker Certified Associate**
- **Microsoft Azure Developer**
- **Scrum Master Certification**

Education

Bachelor of Science in Computer Science
West Stephenberg University - West Stephenberg, NY
Graduated: May 2017

References

Available upon request.