

Kristin Kim

Troybury
aprilbaker@example.net

Summary

Innovative and results-driven programmer with a passion for leveraging technology to solve complex problems. Experienced in creating scalable solutions using **Microservices** and **Docker** while delivering high-quality software on time. Strong background in real-time applications and cloud services, with a commitment to continuous learning in **Machine Learning** and other emerging technologies.

Experience

Software Engineer

Tech Innovations Inc. – Troybury, NY

June 2021 – Present

- Led the development of a **Real-time Chat System** that improved user engagement by 40% through efficient microservices architecture and integration with **Redis** for data caching.
- Spearheaded CI/CD pipeline implementation using **Jenkins** and **Docker**, reducing deployment times by 50%.
- Collaborated with cross-functional teams to integrate **Node.js** APIs, enhancing system performance and responsiveness.

Junior Developer

FinTech Solutions – Troybury, NY

January 2020 – May 2021

- Contributed to the **Payment Processing System**, which processed over 1 million transactions per month, ensuring compliance with security standards.
- Assisted in

the migration of legacy systems to **AWS**, leading to a 30% reduction in operational costs. - Developed unit tests and documentation for existing codebase, improving code reliability and team productivity.

Skills

- **Microservices**: Expert
 - **Docker**: Advanced
 - **Redis**: Advanced
 - **Jenkins**: Expert
 - **C++**: Intermediate
 - **Node.js**: Intermediate
 - **AWS**: Intermediate
 - **Angular**: Intermediate
 - **Machine Learning**: Beginner
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Projects

Real-time Chat System

- Developed a scalable chat application using **Microservices** architecture, enabling real-time communication for users. Utilized **Redis** for message caching, achieving a 99.9% uptime during peak usage.

Payment Processing System

- Played a key role in designing a secure and efficient payment processing platform that could handle high transaction volumes. Implemented **AWS** services for storage and computing, enhancing reliability and performance.
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Certifications

- **Docker Certified Associate**
 - **Microsoft Azure Developer**
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Education

Bachelor of Science in Computer Science

University of Troybury – Troybury, NY

Graduated: May 2019

- Relevant coursework: Data Structures, Algorithms, Cloud Computing, Software Engineering.
 - Capstone Project: Developed a web application for local businesses, increasing their online presence.
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Professional Affiliations

- Member of the Troybury Software Developers Network
 - Volunteer mentor for local coding bootcamp students
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Interests

- Exploring advancements in **Machine Learning**
- Participating in hackathons and tech meetups
- Contributing to open-source projects on GitHub