

# Kristin Kim

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Troybury  
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## 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.

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## 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.

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## 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