

# Mark Carroll

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Adamsbury

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## Summary

Enthusiastic and detail-oriented programmer with over 5 years of experience specializing in cloud-based solutions and full-stack development. Proven track record of delivering robust applications and systems that enhance user experience and drive business growth. Adept at collaborating with cross-functional teams and managing agile workflows. Seeking to leverage my expertise in AWS, TypeScript, and Docker to contribute to innovative projects in a dynamic environment.

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## Experience

### Senior Software Engineer

**Tech Innovations Inc.**, Adamsbury

June 2020 - Present

- Led the development of a **Real-time Chat System**, utilizing **Node.js** and **Docker**, resulting in a 40% increase in user engagement.
- Designed and implemented an **API Gateway** to streamline microservices communication, enhancing system performance by 30%.
- Spearheaded the migration of legacy systems to AWS, achieving a 50% reduction in operational costs and improving scalability.
- Collaborated with product teams to integrate **Jenkins** for continuous integration and deployment, reducing release cycles by 25%.

## Software Developer

**Creative Solutions Ltd.**, Adamsbury

January 2018 - May 2020

- Developed an **E-commerce Platform** using **TypeScript** and **Docker**, which resulted in a 60% increase in sales over the first year of deployment. - Assisted in the integration of **Redis** for caching, significantly improving data retrieval speed by 45%. - Participated in daily stand-ups and Sprint planning as part of the **Scrum** team, ensuring timely delivery of project milestones.

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## Skills

- **AWS:** Expert
  - **TypeScript:** Expert
  - **JavaScript:** Expert
  - **Python:** Expert
  - **Docker:** Expert
  - **Jenkins:** Expert
  - **Kubernetes:** Intermediate
  - **Node.js:** Intermediate
  - **Redis:** Advanced
  - **MySQL:** Beginner
  - **FastAPI:** Beginner
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## Projects

- **Real-time Chat System**

Developed a highly scalable chat application that supports thousands of concurrent users, implementing WebSockets for real-time communication and leveraging AWS for hosting.

- **API Gateway**

Created a robust API Gateway that allowed microservices to communicate efficiently, improving overall system architecture and reducing latency issues.

- **E-commerce Platform**

Designed and built a comprehensive e-commerce platform featuring user authentication, product listings, and payment processing, which improved user retention and increased sales volume.

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## **Education**

### **Bachelor of Science in Computer Science**

**University of Adamsbury**, Adamsbury

Graduated: May 2017

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## **Certifications**

- **Scrum Master Certification**

Obtained: March 2019

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## **References**

Available upon request.