

# **SARAH JOHNSON**

## **Senior Software Developer**

### **Contact**

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MA

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<https://github.com/sarahjdev>

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### **Objective**

Dedicated software developer with 7+ years of experience building high-performance applications and microservices. Expertise in cloud-native architecture, distributed systems, and DevOps practices. Seeking to leverage my technical leadership and cross-functional collaboration skills to solve complex engineering challenges.

### **Education**

#### **Massachusetts Institute of Technology**

Nairobi, Kenya

Master of Science in Computer Science

Focus: Distributed Systems

2014-2016

#### **University of Massachusetts Amherst**

Amherst, MA

Bachelor of Science in Computer Science

Minor: Mathematics

2010-2014

## Key Skills

- **Programming Languages:** Java, Kotlin, Python, Go, JavaScript
- **Frameworks & Libraries:** Spring Boot, React, Angular, Kubernetes, Docker
- **Cloud Platforms:** AWS (Certified Solutions Architect), Google Cloud Platform
- **Database Technologies:** PostgreSQL, MongoDB, Redis, Elasticsearch
- **DevOps & CI/CD:** Jenkins, GitHub Actions, ArgoCD, Terraform, Prometheus, Grafana
- **Software Architecture:** Microservices, Event-Driven Design, Domain-Driven Design
- **Methodologies:** Agile, Scrum, Kanban, Test-Driven Development

## Experience

### Senior Software Engineer

#### FinTech Solutions Inc.

Boston, MA

*January 2020 - Present*

- Led development of a mission-critical payment processing system handling over \$2M in daily transactions
- Architected and implemented a microservices ecosystem using Spring Boot and Kubernetes
- Reduced system latency by 40% through optimization of database queries and application code
- Mentored junior developers and established coding standards and best practices
- GitHub Projects: <https://github.com/sarahjdev/payment-gateway-service>

### Software Developer

#### TechCorp Systems

Cambridge, MA

*March 2017 - December 2019*

- Developed and maintained RESTful APIs for customer-facing applications using Python and Django
- Implemented CI/CD pipelines with Jenkins, reducing deployment time by 60%
- Collaborated with product management to refine features based on user feedback
- Contributed to open-source libraries for data processing and visualization

GitHub Projects: <https://github.com/sarahjdev/data-pipeline-tools>

## **Software Engineering Intern**

### **Innovative Solutions Ltd.**

Boston, MA

*May 2016 - February 2017*

- Assisted in the development of a real-time analytics dashboard using React and D3.js
- Implemented automated testing using Jest and Cypress, achieving 85% code coverage
- Participated in code reviews and agile development processes

## **Certifications & Training**

- AWS Certified Solutions Architect – Associate
- Google Cloud Professional Developer
- Kubernetes Certified Administrator (CKA)
- Advanced Java Programming and Microservices Architecture
- Professional Scrum Master I (PSM I)

## **Publications & Projects**

- "Optimizing Microservice Communication Patterns in Cloud Environments" – Tech Conference
- 2022
- Open-source contributor to Apache Kafka and Spring Framework

Personal Project: Distributed task scheduler with fault tolerance –

<https://github.com/sarahjdev/distributed-scheduler>