

Alexa Adams

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SUMMARY

Senior Software Engineer with 3+ years of experience in Cloud Infrastructure, specializing in mobile and embedded systems. Architected system-wide backend solutions and delivered scalable cloud infrastructure using Kubernetes and AWS.

EXPERIENCE

Senior Software Engineer

Company XYZ, 2020–2023

- Designed and implemented cloud infrastructure for mobile and embedded systems using Kubernetes and AWS
- Developed scalable backend solutions using Python and React Native, resulting in a 30% increase in system efficiency
- Led the development of a Kubernetes Operator Framework, improving deployment uptime to 99.5%
- Collaborated with the DevOps team to implement continuous integration and continuous deployment (CI/CD) pipelines using Jenkins and Git

Software Engineer

Company ABC, 2018–2020

- Contributed to the development of a cloud-based IoT platform using Embedded C and Swift
 - Worked on a team to design and implement a real-time data processing system using Flutter and AWS Lambda
 - Participated in a hackathon and developed a prototype for a smart home automation system using Python and React Native
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PROJECTS

Deployment Orchestration

Company XYZ, 2022

- Built a deployment orchestration tool using Kubernetes and AWS, resulting in a 25% reduction in deployment time
- Implemented automated rollback and self-healing mechanisms using Kubernetes and Python
- Presented the project at a company-wide tech conference and received positive feedback from the engineering team

Kubernetes Operator Framework

Company XYZ, 2021

- Developed a Kubernetes Operator Framework for automating the deployment and management of cloud-native applications
 - Used Python and Kubernetes to implement custom resource definitions (CRDs) and controllers
 - Contributed to the open-source community by publishing the framework on GitHub and writing a technical blog post about the project
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TECHNICAL SKILLS

Languages: Python, Java, C++, Swift, Embedded C

Frameworks: React Native, Flutter, Kubernetes

Cloud: AWS, GCP, Azure

Tools: Git, Jenkins, Docker, Kubernetes

Databases: MySQL, MongoDB, PostgreSQL

OS: Linux, macOS, Windows

EDUCATION

B.S. in Computer Science, XYZ University, 2018

GPA: 3.5/4.0

Relevant Courses: Cloud Computing, Mobile and Embedded Systems, Data Structures and Algorithms

Thesis: "Design and Implementation of a Cloud-Based IoT Platform using Embedded C and Swift"

Mentored a junior developer in a company-wide mentorship program and helped them develop a mobile application using React Native and AWS