

# AKASH RAMESH

FULLSTACK DEVELOPER

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## SUMMARY

Full Stack Developer with 4+ years of experience in building scalable, cloud-native applications using Node.js and Java. Skilled in microservices, RESTful APIs, event-driven architecture, and cloud deployment. Proficient in AWS (SQS, Lambda, EC2, RDS) and container orchestration (Docker, Kubernetes). Strong in multi-threaded processing, database optimization, and automation. Familiar with CI/CD for streamlining deployments. Passionate about designing resilient, high-performance systems.

## WORK EXPERIENCE

### Platform Engineer

ADP India Pvt. Ltd.

Feb 2022 – Present

Chennai, India

- Automated internal workflows with custom Node.js scripts, reducing manual tasks and improving team productivity.
- Integrated AWS SQS for asynchronous processing, reducing API load and enabling real-time workflows with 50K+ messages/day.
- Architected and deployed a custom read-only database wrapper for our no-code platform, enhancing data retrieval efficiency and reducing query load, improving development speed and simplifying data management processes.
- Engineered API call reduction strategies, achieving a 50% decrease by optimizing query handling and caching mechanisms.
- Deployed and managed containerized microservices using Kubernetes (K8s), improving application scalability and resource efficiency across multiple environments.

### Junior Software Engineer

Cognizant

Jul 2020 – Feb 2022

Chennai, India

- Developed and maintained scalable microservices using Node.js and Spring Boot, handling 10M+ API requests/month.
- Designed RESTful APIs for frontend applications, ensuring high availability and reducing response times by 20%.
- Integrated unit testing (Jest, JUnit) and CI/CD pipelines, enhancing deployment speed and reducing bugs by 50% in production.

## EDUCATION

### B Tech (Computer Science and Engineering)

SRM Institute of Science and Technology, Chennai, India

Jun 2016 – May 2020

GPA: 8.36 - First class with distinction

AISSCE - DAV Boys Senior Secondary School, Gopalapuram

Apr 2015 – May 2016

Group: Science with Computer Science

## SKILLS

- Programming: JavaScript, TypeScript, Java, Python
- Databases: MySQL, MongoDB, PostgreSQL, Redis
- Framework:
  - Backend: Node.js, Express.js, Spring Boot, Spring Batch, Django
  - Frontend: React.js (Redux, Hooks)
- Tools: Datadog, Splunk, Git, Jenkins
- Cloud and Infrastructure: AWS, Azure, Docker, Kubernetes, Lambda (Serverless)

## PERSONAL PROJECTS

### Pixel Pursuit - A Modern Blogging Platform

- Developed a minimalist blogging platform using React, TypeScript, and Redux, providing a clean and intuitive UI.
- Implemented a rich text editor with TinyMCE, supporting image uploads and category-based organization.
- Designed and deployed a Spring Boot backend with PostgreSQL, enabling seamless post management and authentication.
- Ensured responsive design for accessibility across devices and optimized performance with Redux Thunk for async actions.
- Hosted at [blog.akashramesh.in](https://blog.akashramesh.in).

### Expensify - Manage your expenses

- Designed and built a scalable expense-tracking app using React.js, Firebase, and Node.js, supporting real-time data updates.
- Provides a user-friendly interface for tracking and organizing expenses effectively.
- Implements OAuth2 using Firebase authentication to ensure secure user authentication.
- Hosted at [expensify.akashramesh.in](https://expensify.akashramesh.in).

## CERTIFICATIONS

AWS Certified Cloud Practitioner

Nov 2021 – Nov 2024

Credential ID: VWWP99BLGB4Q1R55