

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.
- Built a custom read-only database wrapper for our no-code platform, boosting query efficiency and simplifying data retrieval.
- Engineered API call reduction strategies, achieving a 50% decrease by optimizing query handling and caching mechanisms.
- Deployed and managed containerized microservices using Kubernetes, improving scalability and resource efficiency.

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%.

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

- Designed and built a high-performance blogging platform with React, TypeScript, and Redux, ensuring an engaging and dynamic experience.
- Engineered a scalable backend with **MongoDB** and Spring Boot, optimizing data retrieval and reducing latency.
- Integrated a powerful rich text editor with seamless image uploads, smart tagging, and real-time previews—making content creation effortless.
- Implemented a secure authentication system with JWT and OAuth2, allowing multiple users to manage content safely.
- Used server-side caching and asynchronous processing to enhance performance and reduce API strain, ensuring a smooth user experience even during traffic spikes.
- Built a fully responsive, mobile-friendly UI that looks and works great on any device.
- Hosted at blog.akashramesh.in, continuously improving based on real user feedback.

Expensify - Manage Your Expenses

- Created a feature-rich expense-tracking app using React.js, Firebase, and Node.js, supporting real-time data updates.
- Designed a simple yet effective UI to help users track and organize their expenses with ease.
- Integrated OAuth2 with Firebase authentication to ensure secure user access.
- Hosted at expensify.akashramesh.in.

CERTIFICATIONS

AWS Certified Cloud Practitioner

Nov 2021 – Nov 2024

Credential ID: VWWP99BLGB4Q1R55