Mohit Agarwal

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EXPERIENCE

DOOLA | Senior Software Engineer
Remote | July 2023 - Present

- Engineered a high-volume transaction processing service using **Java, Spring Boot, MySQL, MongoDB, GraphQL, ActiveMQ, Node.js** , supporting 100K+ users with seamless transaction synchronization.
- Designed a tax-filing workflow automation system with **Java, REST API, Messaging Queue, Node.js** , increasing efficiency by 90% by replacing manual processes.
- Developed a scalable microservice for document management using **AWS SQS, AWS S3, MySQL, Java, Spring** , simplifying access and adding digital signature support.
- Led migration from AWS CDK to **Terraform** , improving cloud cost visibility and infrastructure maintainability.

ALMABETTER | Software Engineer
Bangalore | July 2022 - July 2023

- Architected a scalable Learning Management Platform using **Node.js, MySQL, AWS Lambda, Strapi CMS** , serving 5L+ users and replacing legacy Thinkific system.
- Reduced API latency by 40% by implementing caching with **Redis** and integrating third-party services like Sertifier, LeadSquared, and WebEngage.
- Improved code quality with comprehensive logging and asynchronous task handlers using **AWS Lambda, Node.js, AWS SQS, gRPC** , enhancing user experience.
- Implemented an admin portal to centralize user data, reducing query resolution time by 30%.

SPRINGWORKS | Software Engineer
Remote | June 2021 - July 2022

- Built backend infrastructure for an e-commerce platform with 2L+ monthly orders using **Node.js, AWS SQS, MySQL, Redis** .
- Built 20+ new features using **Github Actions, Node.js, REST API, Swagger** , from planning to deployment.
- Migrated mobile application codebase from **PHP to Node.js** in a microservices architecture with API Gateway.
- Refactored and fixed bugs in the existing codebase.

TATA CONSULTANCY SERVICES | Associate Software Engineer
Kolkata | July 2019 - June 2022

- Devised a model for detecting grammatical/spelling errors using **Python, NLP, Transformers, Java** .
- Built a verbatim analysis system with **Python, Pandas, Numpy, Regex** for code list generation and tagging.
- Implemented NLP techniques for keyword extraction and semantic analysis using **Python, Sklearn, SpaCy, Word2vec** .
- Crafted web services and APIs for models using **Java, Maven, REST API** .

SUMMARY

Senior Software Engineer with 5+ years in backend development using Java, Python, Node.js, TypeScript. Expert in microservices, REST APIs, GraphQL, AWS, Terraform, Kubernetes, with a focus on cloud optimization and CI/CD pipelines. Improved API performance by 40% and scaled high-traffic applications.

EDUCATION

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
B.Tech in Computer Science
July 2015 - May 2019

SKILLS

TECHNICAL PROFICIENCIES
Java • Python • JavaScript • SQL • Data Structures • Algorithms • Problem Solving

CORE COMPETENCIES
JVM • Node.js • Linux • Spring Boot • REST • gRPC • GraphQL • Express.js

DATA & MESSAGING SYSTEMS
PostgreSQL • MongoDB • Amazon DynamoDB • Redis • Elasticsearch

SKILL DOMAINS
AWS • Terraform • Docker • Jenkins • Git • Microservices • Distributed Systems

PERFORMANCE MONITORING
Grafana • Prometheus • ELK Stack

LINKS

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