Dev Gupta

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Summary

Results-driven **Software Engineer** with 3 years of experience in developing and maintaining scalable web applications. Proficient in building robust APIs, optimizing database performance, and ensuring backend reliability. Having experience working in agile environments and collaborating with cross-functional teams to deliver high-quality software solutions. Committed to continuous learning and improving back-end architecture and system efficiency.

Experience

Software Engineer | Ksolves India Limited   Apr 2022 – Present

- Designed and implemented serverless architecture using AWS Lambda and API Gateway to build scalable, cost-efficient, and event-driven backend services
- Developed and maintained scalable REST APIs using Node.js, Express.js, and PostgreSQL for web-based applications.
- Utilized AWS services including Lambda, S3, DynamoDB, Kinesis, SNS, SQS, SES, Cloudfront, AWS Cognito and CodeBuild for cloud-native backend development and deployment.
- Managed background jobs and caching with Redis to optimize application responsiveness.
- Integrated role-based authentication and implemented secure access flows using OAuth 2.0, and Single Sign-On (SSO) integration to streamline user management across applications.
- Set up and maintained CI/CD pipelines using CircleCI, enabling automated testing and seamless deployments.
- Led a team of 3–4 developers, overseeing project tasks and reviewing/merging team members' pull requests to ensure code quality.
- Wrote backend scripts and scheduled CRON jobs for automating routine tasks and data processing.
- Developed and maintained browser extensions.
- Automated infrastructure provisioning using AWS CloudFormation, enabling consistent, repeatable, and version-controlled deployment of AWS resources across environments.
- Engaged in one-on-one client interactions to gather requirements, provide technical insights, and translate business needs into efficient, scalable code implementations.

Education

Truba Institute of Engineering & Information Technology   Bhopal, Madhya Pradesh
Bachelor of Technology in Computer Science 8.09 CGPA)   Aug 2018 - Jun 2022

Technical Skills

- **Core Skills:** RESTful API Development, API Integration, Microservices, Agile & Scrum Methodologies, Performance Optimization, Debugging & Troubleshooting, Unit & Integration Testing
- **Languages:** JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3
- **Web Development Frameworks & Tools:** Node.js, Express.js, Angular, AngularJS, CircleCI, Redis, Git, Postman, VS Code, Jira, AWS Lambda, Kubernetes, Docker
- **Database Management:** PostgreSQL, DynamoDB, Redis (as cache store), S3 (object storage), MongoDB

Projects

Verified First – Background Screening Platform

- Maintained the end-to-end development of a background verification platform, handling both front-end and back-end components.
- Integrated APIs with various HR platforms to enable background check-related services and streamline verification workflows.

- Worked on planning and architecture decisions, participating in sprint planning, requirement analysis, and feature breakdown.
- Implemented single-sign-on (SSO) functionality using Okta and OneLogin to enhance secure and seamless user authentication across platforms.
- Communicated directly with product clients to gather requirements and provide support for integration-related needs.
- Designed and implemented a centralized mechanism for logging API errors across the entire application to improve debugging and monitoring.
- Developed a syncing mechanism to automatically synchronize data with third-party applications, ensuring real-time updates and consistency.

World Back To Work (GDT)
- Developed and maintained backend APIs for a healthcare diagnostics platform, enabling streamlined management of orders, shipments, and specimen tracking
- Built secure and scalable endpoints for placing diagnostic test kit orders, integrating real-world healthcare flows (e.g., COVID-19 testing)
- Implemented group order functionality with dynamic discount logic to support bulk test kit purchases for organizations
- Facilitated seamless collaboration between hospitals and external labs via integration APIs, enhancing inter-provider diagnostic capabilities
- Ensured HIPAA-compliant data handling and optimized performance for high-volume requests across multiple healthcare partners