H Abhijith Lal

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Summary — **Full Stack Software Engineer with 2+ years** of experience in designing and developing scalable web applications using modern technologies like Spring Boot and React.js. Proven ability to collaborate across cross-functional teams, write clean and efficient code, and optimize application performance. Skilled in building secure RESTful APIs, implementing CI/CD workflows, and delivering high-impact solutions in agile environments.

Skills

Cloud	Google Cloud Platform (GCP)	**Tools and IDEs**	IntelliJ IDEA, VS Code, Postman, Bruno, DBeaver
Languages	Python, Java, JavaScript, SQL		
OS	Linux, Windows	**Testing**	JUnit, Mockito, Postman
Frameworks	Spring Boot, React.js, Redux	**Version Control**	Git, GitHub, GitLab
Databases	PostgreSQL, MongoDB, MySQL	**Others**	REST APIs, JWT Auth, Agile, Scrum, JSON, YAML
DevOps/CI/CD	GitHub Actions, GitLab CI/CD, Docker, Jenkins		

Experience

GenTech Cloud Pvt Ltd   Jun 2023 – Present
Software Engineer (FTE)

– Developed RESTful APIs, microservices using Spring Boot and built responsive UIs with React.js to enhance platform functionality.
– Optimized database performance with Spring Data JPA, indexing, and query tuning.
– Implemented JWT-based authentication and contributed to code reviews and debugging for scalable, secure systems.
– Collaborated with cross-functional teams to streamline IT processes and improve efficiency.

GenTech Cloud Pvt Ltd   Jul 2022 – May 2023
Software Engineer Intern

– Supported backend development with Java and Spring Boot, and contributed to frontend enhancements using HTML, CSS, and JavaScript.
– Assisted with CI/CD deployments and version control, gaining hands-on experience in agile cloud-based environments.

Projects

Financial Budgeting Platform

– Designed and developed a full-stack finance forecasting tool using React, Spring Boot, Redux, and GCP, tailored to visualize budget vs. spend trends.
– Built complex forecasting logic for spend projection and budget analysis.
– Implemented Redux for global state management, improving data consistency across multiple views and reducing redundant API calls by 40%.
– Architected reusable, responsive UI components in React with Material-UI, enabling quick feature rollout and consistent design language.
– Integrated backend services with RESTful APIs in Spring Boot, improving system scalability and data retrieval efficiency by 35%.
– Optimized performance with lazy loading and pagination for large datasets, reducing initial load time by over 50
– Enabled dynamic filtering, real-time charts, and variance highlighting, giving finance users actionable insight into overspending or underutilization.

Application Development — Client: Lenovo

– Designed and developed a scalable performance testing and test automation platform using Spring Boot, React.js, and Google Cloud Platform (GCP), enabling end-to-end test lifecycle management and load testing capabilities.
– Built a configurable load testing framework to simulate real-world user traffic with dynamic concurrency, request patterns, and duration, supporting various customer scenarios.
– Integrated the platform with CI/CD pipelines to automate performance and functional testing during deployments, reducing feedback loops and manual intervention.
– Leveraged GCP services such as Cloud Pub/Sub, Compute Engine, and Cloud Monitoring for distributed load orchestration, real-time monitoring, and performance insights.
– Implemented a web-based dashboard for scheduling, executing, and tracking test runs with real-time status updates, log visualization, and historical reporting.

- Identified and resolved performance bottlenecks including database contention, CPU saturation, and I/O latency—leading to a 25% improvement in system throughput and a 30% boost in testing efficiency and release confidence.

Service Visualization UI – Migration
- Led the redesign of an internal HTTP mocking tool to improve developer experience and test reliability.
- Enhanced usability by overhauling the UI/UX using React.js and Material UI, introducing intuitive drag-and-drop components, dynamic schema validation, and preset templates to simplify configuration of complex API response scenarios.
- Integrated the tool into both local development and CI workflows by providing environment-specific configuration support, mock state versioning, and webhook-based triggers—allowing developers to simulate dynamic, context-aware API behavior without external dependencies.
- Resulted in faster debugging, more consistent test environments, and increased testing productivity across teams.

Education

Bachelor Of Technology
University: APJ Abdul Kalam Technological University
Branch: Computer Science And Engineering
Institution: TKM Institute of Technology, Kollam
Senior Secondary Education
Board: DHSE
Branch: Computer Science
Institution: GHSS, Puthoor