Vraj Shah

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Professional Summary

Innovative Full Stack Developer with over two years of experience in building high-performance mobile and web applications. Proven ability to develop scalable solutions by leveraging modern frameworks and cloud technologies. Adept at problem-solving, collaborating in agile teams, and continuously improving software to enhance user experience. Passionate about delivering impactful solutions that drive efficiency and innovation in public safety and enterprise applications.

Technical Skills

Programming Languages: Kotlin, Swift, Java, Python, C++, JavaScript
Mobile Development: Android (Jetpack Compose, XML), iOS (SwiftUI, Storyboard)
Frontend: ReactJS, HTML, CSS, Bootstrap, TailwindCSS
Backend & Cloud: Spring Boot, Node.js, RESTful APIs, AWS, GCP, Azure, Firebase
DevOps & Tools: Docker, Kubernetes, CI/CD Pipelines, GitHub Actions, GitLab CI
Databases: MySQL, MongoDB, SQLite, Room, Firebase Firestore
Software Development Practices: Agile (Scrum), Test-Driven Development (TDD)
Soft skills: Strong communication, Problem solving, Teamwork and collaboration, Observability, Analytical, Critical thinking, Self-motivated, Ability to learn continuously

Work Experience

Simform Solutions   **Dec 2021 - Nov 2023**
Software Engineer   *Ahmedabad, India*

- Optimized cross-platform mobile apps by improving API efficiency using Retrofit and OkHttp, reducing load time by 40% and boosting user engagement by 25%.
- Developed and maintained microservices using Spring Boot and Node.js, enabling scalable and fault-tolerant backend architectures.
- Designed and implemented MVVM and Clean Architecture, enhancing code maintainability by 30% and reducing debugging time.
- Automated unit testing with JUnit, Mockito, and Espresso, reducing bug detection time by 35% and improving app stability.
- Deployed applications on AWS using EC2, S3, Lambda, and RDS, ensuring 99.9% uptime and seamless scaling under high traffic loads.
- Integrated third-party SDKs (Stripe, PayPal, IoT) to enhance app functionalities, resulting in a 20% increase in customer retention.
- Implemented a real-time push notification system using Firebase Cloud Messaging (FCM), increasing user engagement by 30%.
- Optimized SQL queries and indexing strategies in MySQL, reducing database query execution time by 45%.
- Led a team of three developers in designing and developing a high-performance chat feature, reducing latency by 50% and enhancing real-time communication.
- Actively contributed to open-source projects, improving development workflows and promoting best practices within the Android and backend communities.

Education

Dalhousie University   **Jan 2024 - Sep 2025**
*Master of Applied Computer Science (Co-op Candidate) — **GPA: 4.07/4.3***   *Halifax, Canada*

Charusat University   **Jun 2018 - Apr 2022**
*Bachelor of Computer Engineering — **GPA: 8.7/10***   *Gujarat, India*

Projects

ServiceHub | *Source Code*   **ReactJS | Spring Boot (JAVA) | MySQL**

- Designed and built a scalable web application for service providers and requesters, integrating e-signed contracts and feedback systems, resulting in a 20% increase in user engagement by enhancing user trust and interaction flow.
- Designed a scalable infrastructure with EC2 Auto Scaling Groups (ASG), Elastic Load Balancer (ALB), and Amazon DynamoDB for high availability and fault tolerance.
- Automated infrastructure provisioning and deployment using AWS CloudFormation, ensuring consistent and repeatable cloud environments, reducing deployment time by 50%.

K8s Microservices | *Source Code*   **Spring Boot (Kotlin) | Kubernetes | Docker | CloudBuild**

- Designed a Kubernetes-based microservices architecture with Spring Boot containers, ensuring secure communication and fault tolerance, leading to a 99.9% uptime rate.
- Deployed microservices using Kubernetes and automated deployment processes with CloudBuild, accelerating deployment speed and scalability by 40%.
- Utilized Docker containers to standardize application environments across development and production, reducing deployment inconsistencies by 35% and increasing testing efficiency.

Habit | *APK* | *Source Code*   **Android (Kotlin - XML) | Spring Boot (Kotlin) | MongoDb**

- Created an intuitive habit-tracking mobile app aimed at empowering users to build and manage daily routines; incorporated user feedback into design, resulting in a 40% increase in daily active users.
- Engineered a robust Spring Boot backend integrated with MongoDB, achieving secure data storage and enabling seamless real-time synchronization across multiple devices for enhanced user experience in habit tracking.