Keval Shetta

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Summary

Aspiring Full-Stack Software Engineer with strong experience in backend development using Java, Spring Boot, NodeJS, and Firebase. Skilled in deploying APIs on AWS, containerizing apps using Docker, and building scalable systems in Agile environments. Proven ability to deliver cross-platform solutions with performance gains of up to 30%.

Experience

Android Developer (Co-op)   Jan 2024 - Apr 2024
Escrow Infotech   Surat, IND

- Refactored legacy Kotlin codebases, reducing technical debt by 35% using MVVM architecture and modularization.
- Boosted API efficiency by 40% through Retrofit and optimized real-time syncing with Firebase Cloud Messaging.
- Improved app load time by 25% via memory leak fixes, Gradle optimization, and UI rendering enhancements.
- Participated in Agile sprint planning, collaborating with product owners and QA teams for scalable releases.

Skills Summary

- **Programming Languages** : Java, Kotlin, Python, Swift, ReactJS, NodeJS, HTML5, CSS3, JavaScript
- **Frameworks** : MVVM, MVC, Redux, Material UI, TensorFlow, DeepFace
- **Development Tools Version Control** : Visual Studio Code,, Git, GitHub, BitBucket, Gradle, Jenkins
- **Cloud DevOps** : AWS, Google Cloud, Docker, Kubernetes, Jenkins
- **Methodologies** : SDLC, Agile, QA Testing, CI/CD, Cross-functional Collaboration

Projects

AI-ML based smart online examination framework ↗:

- Built a secure AI-powered online exam platform integrating DeepFace facial recognition to address identity spoofing; increased verification accuracy by 50% and reduced manual monitoring efforts.
- Automated proctoring workflows using ML models to eliminate real-time invigilation challenges; enhanced exam integrity while minimizing examiner workload.
- Designed a responsive frontend using HTML5/CSS3 to ensure cross-device compatibility, resolving UX inconsistencies and improving platform accessibility.

AchieveIt Android Application ↗:

- Developed productivity features (task creation, calendar, sleep tracking) to solve scattered activity logging; implemented MVVM to improve scalability and performance under growing data loads.
- Optimized data syncing using Retrofit and Firebase to fix API latency issues; achieved 30% faster updates and improved real-time responsiveness.
- Conducted Postman-based testing and integrated CI/CD pipelines with Gradle to reduce integration errors and ensure stable releases.

InBriefs News App ↗:

- Created a dynamic news feed application to solve fragmented content delivery; built with React Native and Firebase to enable smooth cross-platform user experience.
- Resolved real-time update lags using optimized Firebase queries and RESTful endpoints; increased user retention through seamless interactions.
- Documented APIs via Swagger and performed automated regression testing using Postman collections to validate backend reliability and reduce bugs.

Education

Fanshawe College   London, Ontario
Post Graduate Diploma Degree - Mobile Application Development
Courses: Android Development, iOS Development, React Native Developer Progressive Web Applications, Cross Platforms, UI/UX Design.

University of Mumbai   Mumbai, India
Bachelor's of Engineering - Information Technology
Courses: Database Management, Operating Systems, Data Structure and Algorithms, Cryptography and Network Security

Certifications

- **AWS DevOps Engineer**   : AWS Training and Certification   Jul 2023
- **Google IT Support Professional Certificate**   : Google   Jun 2020

Publications

AI-ML-Based Smart Online Examination Framework 🔗   Apr 2022

Springer, Cham

- Online examinations are conducted on mobile devices or laptops instead of paper. AI-ML-based frameworks aim to reduce malpractices by continuously detecting candidates using webcams. This system performs automated proctoring, minimizing the examiner's effort and enhancing the exam's integrity.