ADITYA KULKARNI

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SUMMARY

Detail-oriented software engineer with experience in full-stack development and freelancing as an Android developer. Skilled in designing scalable solutions using ReactJS, NodeJS, Kotlin, and AWS. Proficient in building user focused applications and optimizing workflows through innovative design. Strong foundation in data structures, algorithms, and database management, with expertise in cloud computing and microservices architecture. Proven ability to enhance productivity and streamline processes across diverse projects. Driven to contribute to impactful software solutions while exploring modern technologies.

EDUCATION

Master of Science: **Software Engineering**   **Expected in 05/2025**
San Jose State University   CA, USA
Bachelor of Science: **Computer Science**   **04/2020**
University Of Pune   PUNE, INDIA

TECHNICAL SKILLS

Programming Languages: Java, TypeScript, JavaScript, Kotlin, C, C++, HTML, CSS, SQL
Other Tools & Technologies: ReactJS, NodeJS, Express.js, NextJS, REST API, SOAP API, React Native, Django, Flask, Flutter, MySQL, NoSQL, MongoDB, Firebase Firestore, Elastic Search, PostgreSQL, Redis, AWS EC2, AWS S3, AWS Lambda, AWS Event Bridge, AWS CDK, MS Azure, GCP, Android Studio, IntelliJ, GitLab, Postman, Solana, Picart, Pandas, NumPy, Seaborn, Docker, Kubernetes, TailwindCSS, web3

WORK EXPERIENCE

BACKEND ENGINEERING INTERN   **06/2024 to 08/2024**
SIRIUSXM   **OAKLAND, CALIFORNIA**
- Migrated Node.js scripts to AWS Lambda using Kotlin, transforming radio images, **reducing workloads by 5 hours weekly**, and **cutting processing time from 24 hours to seconds**.
- Orchestrated multi-region infrastructure with AWS CDK and established an event-driven system, **enhancing scalability** and supporting future product expansion.

SOFTWARE ENGINEER   **05/2023 to 07/2023**
UNBOXEDSOFTWARE   **LEHI, UTAH**
- Engineered an AI-powered teacher assistant using ChatGPT via Humanloop, integrating statistical charts and interactive materials, **boosting student comprehension by 25%**.
- Improved a Node.js-based CLI tool by embedding JavaScript templates and utilizing Enquirer, **enhancing workflow efficiency and increasing positive feedback by 20% during alpha testing**.

FULL STACK DEVELOPER   **09/2020 to 08/2022**
SCHLUMBERGER   **PUNE, INDIA**
- Implemented features for a lift planning app using ReactJS, including localization, canvas drawing, and PDF generation**, reducing paper usage by 70% and human error by 40%**.
- Created a reusable UI component library with ReactJS, leveraging PowerApp Component Framework and Fabric UI, **increasing productivity and code reusability by 45%**

MOBILITY DEVELOPER INTERN   **06/2019 to 08/2019**
SCHLUMBERGER   **PUNE, INDIA**
- Designed and rolled out an in-house Visitor Management System, **reducing visitor waiting times by 60%** and enhancing overall efficiency.
- Utilized SharePoint as a database to organize and manage data for over 3,000 visitors, ensuring **streamlined workflows** and structured data handling

LEAD MOBILE DEVELOPER   **06/2019 to 08/2020**
CHATSWOP (OWN START UP)   **REMOTE**
- Spearheaded a social networking Android app using Kotlin, leveraging the MVVM architecture, Dagger for dependency injection, and libraries like Retrofit and Room DB for seamless functionality.
- Incorporated advanced media features using CameraX API for photo and video capture and integrated the FFMPEG library for efficient file compression.

PROJECT EXPERIENCE

LEDGER ALCHEMY: REACTJS, NODEJS, DOCKER, KUBERNETES   **8/2023 to 12/2023**
- Architected an expense tracker web app with an OpenAI finance assistant, integrating data from 12,000+ banks, **microservices** deployed on **Kubernetes**, and third-party APIs like **Auth0** and **Plaid**.

ANTIQUE COIN COLLECTION APP: ANDROID, JAVA, FIREBASE, NOSQL   **9/2021 to 7/2022**
- Built and **published** an Android app on Google Play Store for showcasing and selling antique coins, leveraging **Firebase NoSQL** for data management and transactions, achieving **1,000+ downloads** and supporting two-coin types.

DIGITIZED VACCINATION: ANDROID, MYSQL, JAVA   **5/2019 to 3/2020**
- Developed an NFC-based Android app for digitizing vaccination records, reducing administration time by 20% and errors by 60%.

SMART LIBRARY: MMPS MUMBAI, ANDROID, MYSQL, JAVA   **5/2018 to 5/2019**
- Published an Android app for a journalist union, digitizing newsletters and events with YouTube SDK, achieving 500+ downloads.