NIRAV LALSINGHANI

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PROFESSIONAL SUMMARY

Dedicated and motivated professional with an enthusiasm for Software Development on Cloud Platforms. I specialize in both frontend and backend development with over 3 years of proven expertise in Full-Stack Software Engineering. I exemplify a DevOps culture and adhere to the Agile discipline. I am deeply committed to continuous improvement and automation, aiming to enhance efficiency in full-stack development and SDLC.

TECHNICAL SKILLS

<u>S/W ENGINEERING</u>: SDLC, Unit and E2E Testing, Security, Full Stack Development, APIs (REST), CI/CD, Documentation, 12 Factor Apps, Agile
<u>FRONTEND</u>: React, React Native, JavaScript, HTML, CSS
<u>BACKEND</u>: Databases, PostgreSQL, Google Spanner, Google Big Query, Cassandra, SQL, Node.js
<u>PROGRAMMING</u>: Java, JavaScript, Redux, Python, C, C++, Swift, Android Studio, Bash, Go
<u>TESTING</u>: Unit & E2E Testing, Jest, Cypress, Enzyme, Mockito
<u>PLATFORMS</u>: Postman, JIRA, Bamboo, Heroku, OKTA, GitHub, GitLab, BitBucket, Spark, Kafka, AWS, Docker, Slack, Swift Frameworks, Google Firebase

PROFESSIONAL EXPERIENCE

CDK Global INC. // Software Engineer II // JUN 2021 – JUN 2023 // Austin, TX & Remote

Global Content Management: Web application that allows dealerships to view and manage different content (Documents, Images, Videos)
- Developed frontend features using **React** that allowed dealerships to make more refined and filtered content searches on over **1 million+** files
- Resolved bugs and issues to **enhance the user experience by 25%**, cut down **search time by 6%**, and **increase customer satisfaction by 12%**
- Adopted Agile Discipline(Kanban) and CI/CD practices as part of the development process
- Developed using **React, Cypress, REST APIs, OKTA, Jest, BitBucket, GitHub, JIRA**

Glovebox Application: Mobile application that allows car dealerships to manage telematics information, purchase insurance, schedule services, and view documents for their vehicles
- Built backend services from scratch using **Java**. Adapted existing car service scheduling and insurance endpoints to be mobile-friendly
- Designed and deployed a database (**PostgreSQL**) to host over **1000 unique users** and their vehicle's data
- Added capability to retrieve, store, and update information for **1000+ user profiles**, **2500+ vehicle data**, and **100+ service appointments**.
- Used batch and stream processing to handle up to **100 GB of data** and **10K+ daily API requests**.
- Adopted Agile Discipline(Scrum) and CI/CD practices as part of the development process
- Created using **Java, PostgreSQL, Postman, OKTA, BitBucket, GitHub, SmartCar APIs, Fortellis APIs, Mockito, and Heroku**

Incubation Application: Created mobile versions of existing CDK web applications to enable dealerships to transition between mobile and web form factors seamlessly
- Built the front end using **React** and testing frameworks using **Bamboo, Jest**, and **Enzyme** all from scratch
- Redeveloped **85%** of existing web features into a mobile space. Included features such as user profile creation and document signing.
- Organized and set up a pipeline to automate **100%** of unit and end-to-end testing that **increased successful and healthy deployments by 33%**
- Adopted Agile Discipline(Kanban) and CI/CD practices as part of the development process
- Created using **React Native, Enzyme, Jest, Bamboo, JIRA, and BitBucket**

CDK Global INC. // Software Engineer Intern // MAY 2020 – MAY 2021 // Austin, TX & Remote

Fortellis: A Marketplace and Development platform that enables the collaboration of applications for dealers, manufacturers, lenders, data providers, and software developers
- Developed new features using **React** and **Redux** such as Billing Services and worked on several bug fixes in the existing application
- Built support capabilities such as a Command Center, Administration Features, and Audit Logging to save developers **100+ hours per project**
- Adopted Agile Discipline(Scrum) and CI/CD practices as part of the development process
- Created using **React, Redux, APIs, GitHub, JIRA, Postman, and BitBucket**

Home Depot // Software Engineer Intern // MAY 2018 – AUG 2018 // Austin, TX

Quality Gate: A tool built from scratch that checks various aspects of code quality before deployment
- The utility scanned the code being deployed for blocker issues, security threats, and technical debt as part of the CI pipeline
- Ensured that code being deployed contained **0 blocker issues**, **0 security threats**, **<2 major issues**, and added **<4hrs to technical debt**
- Created using **Python, Bash, GitHub, and APIs**

EDUCATION

B.S. in Computer Science // Certificate in Business Foundations // The University of Texas // AUG 2017 – MAY 2021 // Austin, TX

Relevant Coursework: Object Oriented Programming, Computer Networks, iOS Development, Computer Graphics, Compilers, Algorithms, Operating Systems, Computer Architecture, Intro to IT Management, Discrete Math, Data Structures, Introduction to Computer Science

PROJECTS

Dam It Mobile Application: Created a 2D arcade-style puzzle game. Implemented using SpriteKit, UIKit, CoreData, AVKit, Google Firebase, and Swift. Included 2 level packs, 20+ stages, user creation/login, user progression tracking, single-player/co-op modes, and character/settings customization. Extensively used Google Firebase to easily update and add levels as well as track user progress across multiple devices to improve scalability. Can be found at **github.com/nlalsinghani/damit**

Portfolio Website: Designed and created a website to showcase my past work experience, highlight my different skills, and spotlight projects I have worked on in the past. Can be found at **https://nlalsinghani.github.io**