

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

- S/W ENGINEERING: SDLC | Unit/E2E Testing | Security | Full Stack Dev | APIs | CI/CD | Documentation | 12 Factor Apps | Code Review | SOAs
- FRONTEND: React | React Native | JavaScript | HTML | CSS
- BACKEND: Databases | PostgreSQL | Google Spanner | Google Big Query | Cassandra | SQL | Node.js
- PROGRAMMING: Java | JavaScript | Redux | Python | C | C++ | Swift | Android Studio | Bash | Go | Development Frameworks
- TESTING: Unit & E2E Testing | Jest | Cypress | Enzyme | Mockito
- PLATFORMS: Postman | JIRA | Bamboo | Heroku | OKTA | GitHub | GitLab | BitBucket | AWS | Docker | Swift Frameworks | Google Firebase

PROFESSIONAL EXPERIENCE

Software Engineer II

JUN 2021 – JUN 2023

CDK Global INC - 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**

Software Engineer Intern

MAY 2020 – MAY 2021

CDK Global INC - 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**

Software Engineer Intern

MAY 2018 – AUG 2018

Home Depot - 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 & CERTIFICATIONS

The University of Texas at Austin

AUG 2017 – MAY 2021

B.S. in Computer Science & Certificate in Business Foundations

Relevant Coursework: Object Oriented Programming, iOS Development, Algorithms, Operating Systems, Computer Architecture, Data Structures

AWS Certification

APR 2024 - APR 2027

AWS Cloud Practitioner: validates foundational, high-level understanding of **AWS Cloud, services, and terminology**.

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