

# NIRAV LALSINGHANI

+1 (281) 610 0982 | [nirav.lalsinghani@gmail.com](mailto:nirav.lalsinghani@gmail.com) | [linkedin.com/in/nirav-lalsinghani](https://www.linkedin.com/in/nirav-lalsinghani) | [nalsinghani.github.io](https://nalsinghani.github.io) | [github.com/nalsinghani](https://github.com/nalsinghani)

## 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 and E2E Testing, Security, Full Stack Development, APIs (REST), CI/CD, Documentation, 12 Factor Apps, Agile

**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

**TESTING:** Unit & E2E Testing, Jest, Cypress, Enzyme, Mockito

**PLATFORMS:** 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 & CERTIFICATIONS

**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

**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/nalsinghani/damit](https://github.com/nalsinghani/damit)