

TIMESH PATEL

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Data driven Software Engineer, University Grad with 1 YOE in software design, programming frontend & backend code, web applications, data structures, frontend & backend product design, APIs, data feeds & user testing. I am a results-oriented & analytical problem solver who thrives in fast-paced, large scale, highly complex technical environments where I can build new features & improve existing products to make an immediate impact to both business & customers.

EXPERIENCE

GENERAL MOTORS

February 2021 - Present

Software Engineer

FULL STACK DEVELOPMENT ON GLOBAL SALES MANAGEMENT TEAM

- **Revamping legacy systems with modern languages to improve ease of use, scalability, and maintainability.** Developing user facing, large scale web applications for internal global vehicle order management systems used by dealerships to order cars. Deployed using Pivotal Cloud Foundry Platform (PCF).
- Producing high quality full stack code in Angular 11 (Typescript), Java, SQL. Writing efficient queries in SQL using Oracle Database and SQLDeveloper. Designing REST APIs in Java adopting SpringBoot & Angular Web Frameworks.
- **Leading and managing application security using Fortify and SonarQube to resolve security threats** and implement unit tests for **code coverage** before new versions are deployed to dealerships.
- **Providing daily application support to dealerships and business owners in multiple countries and continents.**
- Consistent **Agile/SCRUM methodology** with Microsoft Azure ecosystem and engineering best practices with cross functional large teams along with making system design decisions with product managers and tech leads.

ONDAS NETWORKS

June 2019 - September 2019

Software Engineering Intern

WRITING & TESTING SOFTWARE, SHIP CODE QUICKLY

- **Owned end to end testing & improvement of QA** process of hardware products (radios) before shipping to customers, including set up, problem-solving, writing & testing software, utilizing data structures & algorithms, software design & **creating an easy, modular set of scripts that could ship quickly & be replaced to make testing faster** & easier for cross functional teams, with **high satisfaction rates from management.**
- **Automated the QA process by developing code & scripts in Expect and Tcl** that tested & configured the patented Software Defined Radios (SDR) platform, the BS5000 & Cobalt network radio, **cutting testing time from a week to mere hours (over 80% time reduction)** & improving the reporting process, leading to increased management satisfaction.
- **Deployed new FreeRadius & Foglamp services to create a secure process for customer radio setup & network authentication.** Proactively problem solved by leveraging customer insights, working collaboratively with engineering teams & management & taking initiative to update documentation & **write scripts that were scaled to 2 cross functional teams, resulting in increased customer satisfaction rates & security across 2K clients.**

PROJECTS

Outfit Ready

September 2019 - December 2019

- Developed engineering skills to tackle a variety of **full-stack, infrastructure & software challenges**, created **Android/iOS web applications** & fully coded websites that received **very high notes (A grades) & positive feedback** from professors & students for **design & functionality**
- As a **SCRUM team lead**, defined & led agile end-to-end product development & rapid prototyping of an **Android & iOS app** in **Flutter framework** that uses **Google Firebase, Google Vision API, machine learning & AI, Python** to create virtual outfits for users. Used Figma to design the app & oversaw product roadmap, data analysis, coding, development, **Travis CI unit testing**, implementation & post implementation phases, **using consistent communications to ensure seamless delivery of projects** & tasks from my team, completing 100% of all projects on time

Dheliver

May 2018 - June 2018

- Built & designed a **fully functioning food delivery website** hosted on **Amazon AWS** to meet the needs of students living on campus. Used **JavaScript, HTML, CSS & Beautiful Soup** to create a clean UI, **Stripe API to create a secure checkout process** & incorporated code to design responsive dashboards & menu options that **generated different report interfaces & data feeds based on user needs.** To find the information to build the reporting dashboards, **proactively researched & located the data to develop a high quality, well-tested solution** that had a high likeability + adoption rate among students

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

MS Computer Science

August 2021 - June 2023

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

BS Computer Science

September 2016 - June 2020

SKILLS

Languages: Python, Java, C/C++, JavaScript, Typescript, HTML/CSS, SQL/PostgreSQL, Dart

Frameworks & Libraries: AngularJS, Node.js, SpringBoot (Spring), REST APIs, SoapUI, Flutter

Tools, Technologies, Infrastructure: Git, Linux, Bash, Travis CI, Docker, AWS (Amazon Web Services), Microsoft Azure, Oracle JDeveloper, Oracle Database, Jenkins, MapReduce, Fortify, SonarQube