

Timesh Patel

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Data driven Software Engineer, University Grad with 1.5 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 MVC web application for internal global vehicle order management systems used by dealerships to manage ordering cars
- **Producing high quality full stack code in Angular 11 (Typescript), Java, SQL.** Writing **efficient queries in SQL using Oracle Database and SQLDeveloper.** Developing 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. Deployed using **Pivotal Cloud Foundry Platform (PCF).**
- **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 Sunnyvale, CA

June 2019 – September 2019

Software Engineering Intern

OWNERSHIP OF DECISIONS, 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, configuration & data speeds, 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

May 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

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

BS Computer Science

September 2016 – June 2020

GEORGIA INSTITUTE OF TECHNOLOGY

MS Computer Science

September 2021 – June 2023

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