

# TIMESH PATEL

[ptimesh@gmail.com](mailto:ptimesh@gmail.com) 408 368 2287 <https://www.linkedin.com/in/timesh-patel/> <https://timeshpatel.github.io/>

**Data driven Software Engineer 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

#### BACKEND DEVELOPMENT ON DIGITAL BUSINESS SOFTWARE TEAM

- Revamping legacy systems with modern languages to improve ease of use, scalability, & maintainability.
- Building large scale web applications that translate business processes for sales order management services from Korean factories to dealerships around the world. Supports multiple countries & hundreds of dealerships, generating +\$200 million in revenue per year. Deployed using Pivotal Cloud Foundry Platform (PCF).
- Developing scheduled flows that convert business processes such as ordering, shipping, & invoicing vehicles into batch jobs and batch processes developed using Java & SQL. Creating efficient queries in SQL with SQLDeveloper. Deployed using Autosys Job Scheduler. Designing REST APIs in Java. Working with cross-functional teams to receive, transform, & send data back to Finance & Business Analytics teams.
- Leading the decommission of a legacy sales order management system that Australian & New Zealand dealers used to streamline sales and plan inventory. Communicating with numerous teams & engineers to develop a new solution & migrate current data & users. Managing and advising a team of 5 engineers and providing daily backend ticket support
- Orchestrated database encryption upgrades & led a vertical scaling effort. Increased availability of the application to 99% from 95% per year. Reduced system downtime by 75% per year.
- Consistent Agile/SCRUM methodology with Microsoft Azure ecosystem & software engineering best practices with large cross-functional teams along with making system design decisions with product managers & tech leads. Defining & making design decisions to create clean, abstracted object oriented code.

### 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 & Tcl that tested & configured the patented Software Defined Radios (SDR) platform, 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. Wrote 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

- As a SCRUM master, led agile end-to-end product development of an Android & iOS app in the Flutter framework which used Google Firebase & Python to create virtual outfits for users. Figma for prototyping & Travis CI for unit testing.

### Dheliver

May 2018 - June 2018

- Built 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.

## EDUCATION

### GEORGIA INSTITUTE OF TECHNOLOGY

#### MS Computer Science

August 2021 - September 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

**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 Ecosystem, Oracle JDeveloper, Oracle Database, Jenkins, MapReduce, Fortify, SonarQube