

# TIMESH PATEL

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**Data driven Software Engineer with 3 YOE** in software design, programming frontend & backend code, web applications, data structures, algorithms, APIs, leading teams, user testing, documentation, shipping code & code reviews. 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 SOFTWARE AND SERVICES TEAM

- Revamping legacy systems with modern languages to improve ease of use, scalability, & maintainability.
- Building large scale web applications for sales order management services from Korean & American factories to dealerships worldwide. Supports multiple countries & hundreds of dealerships, generating +\$300 million in revenue per year. Developed using Java, AngularJS and Oracle SQL.
- Developing scheduled flows that convert business processes such as ordering, shipping, & invoicing vehicles into batch jobs and batch data processes developed using Java & SQL. Creating efficient database queries in Oracle SQL for relational database systems with best practices. Deployed using Tidal Batch Job Scheduler.
- Designing REST APIs and microservices in Java for scalable backend applications. Cross-functional collaboration with Finance & Business teams to receive, transform, & send data feeds. Developed using best practices like unit testing.
- Scrum Master & Dev Lead on decommissioning a legacy application that Australian & New Zealand dealers use to streamline sales and inventory. Managing an engineering team that provides on-call ticket support and data analysis.
- Orchestrated database encryption upgrades & led a vertical server side scaling effort. Increased availability of the application to 99% from 95% per year. Reduced system downtime by 75% per year and increased performance. Upgraded legacy app to new hosting environment to improve and meet company cybersecurity practices.
- Consistent Agile/SCRUM development lifecycle with Microsoft Azure ecosystem & software engineering best practices with large cross-functional teams, product managers and tech leads via verbal and written communication. Defining & making system design decisions to create clean, abstracted object oriented programming.

### ONDAS NETWORKS

June 2019 - September 2019

#### Software Engineering Intern

#### VERIFICATION SOFTWARE TEAM

- Owned end to end testing & improvement of QA process of hardware products (radios) before shipping to customers, including set up, writing & testing software & creating an easy, modular set of scripts. 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 - December 2024

### UNIVERSITY OF CALIFORNIA, SANTA CRUZ

#### BS Computer Science

September 2016 - June 2020

## SKILLS

**Languages:** Python, Java, C/C++, JavaScript, Typescript, HTML/CSS, SQL, mySQL, PostgreSQL (Postgres)

**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 (Azure DevOps), Oracle JDeveloper, Oracle Database, Jenkins, MapReduce, Fortify, SonarQube, JUnit, Tidal Scheduler