

TIMESH PATEL

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ABOUT **Data driven Software Engineer, University Grad with 3 YOE** in software design, writing code, web applications, data structures, frontend & backend product design, APIs, report interfaces, data feeds & user testing. I am a results-oriented problem solver with a bias for action who thrives in fast - moving, large scale, highly complex technical environments where I can build new features & improve existing products to make immediate impact to both business & customers.

HISTORY **SOFTWARE ENGINEER** Jan 2021 - Present
General Motors *FULL STACK DEVELOPMENT*

- **Revamping legacy systems** with modern languages to improve ease of use, scalability, and maintainability. Developing a **MVC web application** for internal vehicle order management systems used by dealerships to order and check status on cars.
- **Producing high quality full stack** code in **Angular 11, Java, SQL** with **Maven and HTML**. Writing efficient **queries in SQL & designing REST APIs in Java** coupled with **SpringBoot & Angular** to link the frontend & backend.
- **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.
- Implementing **Agile/SCRUM methodology** with **Azure DevOps ecosystem services** and engineering best practices.

SOFTWARE ENGINEERING INTERN June 2019 - Sept 2019
Ondas Networks *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, investigating data structures & algorithms, software design & creating an easy, modular set of scripts that could ship quickly & be replicated 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**

SOFTWARE ENGINEERING PROJECTS 2017 - 2019
UC SANTA CRUZ *APP & WEBSITE DESIGN + DEVELOPMENT, FRONTEND & BACKEND ARCHITECTURE*

- **Created Alexa & Android/iOS web applications & fully coded websites that received very high notes, 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, & AI to create virtual outfits for users. Used Figma to design the app & oversaw product roadmap, implementation & post implementation phases and Travis CI for unit testing, used **consistent communications to ensure seamless delivery of projects & tasks from my team, completing 100% of all projects on time**
- **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 to create a clean UI, Stripe API to create a secure checkout process & incorporated code to design responsive dashboards & menu options using web scraping tool Beautiful Soup.

EDU **UNIVERSITY OF CALIFORNIA, SANTA CRUZ** Santa Cruz, CA September 2016 - June 2020
BS Computer Science

Syracuse University 2021 - Expected June 2022
Masters of Science Computer Science

SKILLS Python | JavaScript | Java | SQL, PostgreSQL | C, C++ | HTML, CSS | Linux | Travis CI | Git | Unix | Docker | CS Theory, Data Structures, Algorithms | Amazon AWS, S3, EC2 | Dart | Angular | Azure DevOps | Spark | MapReduce | Hadoop | Fortify | SonarQube