

# SIDDHARTH PATEL

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## WORK EXPERIENCE

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### Full Stack Software Engineer

Feb. 2022 - Present

Avidbots

- Built and scaled the remote monitoring Full Stack application with 18 different node/Express Microservices with Angular front end.
- Built the production Kubernetes clusters on Azure & AWS. Responsible for DevOps tasks to troubleshoot the cloud architecture issues and scale the system for growing customer base.

### Product Engineer

June 2016 - May 2021

McWane Corporation

- Engineering team lead for research and development of the smart fire hydrant. Designed the complete hydrant and the web interface in Python Flask framework that shows the live water pressure data using google's Chart API and stores it in an SQL database.
- Developed a sensor tester using Arduino Microcontroller and C programming, which lowered the test cycle time by 70%.

## EDUCATION

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**Georgia Institute of Technology** | Master of Science in Computer Science | GPA: 4.0/4.0

Aug. 2020 - Dec. 2022

- Relevant Courses: Software Development Process, Software Architecture and Design, Computer Networks.

**Lighthouse Labs** | Diploma in Full Stack Software Development

Oct. 2021 - Jan. 2022

- Relevant Courses: Automated Testing, Database and Data modelling, React JS, JavaScript, Ruby on Rails.

**Auburn University** | Master of Science in Industrial Engineering | GPA: 3.5/4.0

Aug. 2014 - May 2016

- Relevant Courses: Linear Programming, Advance Statistics.

**Ganpat University** | Bachelor of Science in Mechatronics Engineering | GPA: 3.4/4.0

Aug. 2010 - May 2014

- Relevant Courses: Computer Programming, Numerical Analysis and Computer Programming, Software Packages 1 & 2

## PROJECTS

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### Pizza-N-Go - Node.js, Express, Axios, Postgres SQL, Socket.io, AWS

[GitHub](#)

- Full-stack Web application using Node.js, Express to manage food orders with separate customer and an admin portal with REST API. Integrated the Trello API to send SMS. Utilized web socket protocol and socket.io for sending real time update.
- The application is hosted on the AWS platform using EC2, RDS Postgres Database and Route 53

### Interview Scheduler - JavaScript, React, Jest, Cypress.io

Live: <https://react-app-interview-scheduler.netlify.app/>

- A dynamic and a true single-page application that utilizes various React hooks and states. This app utilizes asynchronous programming. Used Storybook for individual component testing. The automated test suite has tools like Jest for Integration testing and cypress.io for end-to-end testing. Furthermore, used Mocha and Chai for Unit testing.

### StreamingWars - Java, MariaDB, JUnit, Docker

- CLI-based Java application that simulate the interaction between streaming services, publishing studios, and customer groups. Implemented Object-Oriented Design Test-Driven Development(TDD).
- Built the automated test suite in JUnit testing framework.

## CERTIFICATIONS

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**DevOps with Docker** | University of Helsinki

[Certification ID: e08b93272782ac3b46809b96b5810314](#)

**AWS Certified Solutions Architect – Associate** | Amazon Web Services

[Certification ID: 07EWPS4DHFBE18K8](#)

## SKILLS

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**Programming Languages:** Python, Java, JavaScript, TypeScript and C++.

**Web Technologies:** Flask, Node.js, Express, Ajax, React, Angular, HTML, CSS, Spring, PHP, Spring Boot, jQuery

**Database:** MySQL, PostgreSQL, MariaDB, Redis, and MongoDB.

**Cloud Platforms:** Amazon Web Services (AWS), Google Cloud Platform, Azure and Heroku.

**Other Tools:** Jira, Git, GitHub, JUnit, Mocha, Chai, Docker, Kubernetes, Linux, Microservices, CI/CD pipeline.