

Mihir Sachin Vaidya

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EXPERIENCE

Software Development Engineer

01/2024 – Present

Hoosier Community Network

Bloomington, IN

- Maintained a serverless E-Commerce Plugin using **Lambda**, **DynamoDB**, **TypeScript** & **NodeJs** with 10000+ users.
- Implemented a secure & scalable payment gateway using **Stripe** ensuring 15,000+ secure transactions.
- Launched alert system which notifies when inventory goes below mentioned threshold using DynamoDB and Lambda, alerting the inventory manager when the stock fall below 200 Units.
- Enhanced User Experience by using **Figma**, **SCSS**, **CloudFormation**, **React Redux**, making the application responsive and quick to access

Software Development Co-op

08/2023 – 12/2023

Schneider Electric R&D Department

Foxborough, MA

- Designed a Levelized Cost application a way to visually and interactively understand the lifetime cost of running 4 different fuel production plant using JavaScript & ReactJS
- Spearheaded the cost modeling algorithm in NodeJS using MVC principles, which helped the team to identify the most economical plant to scale up out of the 4 small scale plants
- Displayed interactive graphs using **SQL Server** & **Chart.js** to visualize module distribution in the Levelized Cost.
- Managed project progress using **Jira**, ensuring timely completion of deliverables and improving team productivity

Software Development Intern

06/2023 – 08/2023

Schneider Electric R&D Department

Foxborough, MA

- Contributed to the maintaining SaaS based energy and sustainability solution using **C#** & **Angular**, delivering scrum requirements 3 weeks before the deadline
- Created backend services for for a real-time water usage efficiency platform with **.Net 5** and **SignalR**, aiding in tracking of water wastage.
- Migrated on-premise data to Azure infrastructure, using ETL tools **Data Factory**, **Data Lake Gen2** & **Synapse Analytics**, aiding in automating the analytics of 20GB data.
- Performed analytics and and architected ML Model on the big data using **DataBricks** and **PowerBI**, improving the client's ore yield

Software Developer

12/2021 – 08/2022

Sacharya Digital Solutions PVT. LTD

Mumbai, Maharashtra, India

- Engineered **REST APIs** for a finances management and Community Management apps using **NodeJS**, **EJS**, **JQuery**, **AJAX** **ReactJS**, digitizing the lives of 2000+ users
- Optimized download PDF for 10,000+ records functionality, using MySQL query and **PuppeteerJS**, improving download speed of large data
- Automated the monthly maintenance fee invoice alert functionality using **Node Cron**, improving the efficiency of sending 2000+ community members monthly invoice
- Established a community complains functionality, using **AWS Simple Email Service**, digitizing the community issue reporting and reducing the complain handling time to 2 weeks.

TECHNICAL SKILLS

Languages: JavaScript, C#, Java, Python, C/C++, SQL, NoSQL, HTML/CSS

Frameworks: React, Node.js, Flask, Express.js, Graph.js, Bootstrap, Django

Developer Tools: Git, Docker, Amazon Web Service, VS Code, Visual Studio, Spyder, IntelliJ, Eclipse, Jenkins, Fastlane

Libraries: pandas, NumPy, Matplotlib, JQuery, Puppeteer, sqlite3, Scipy, seaborn, TensorFlow

Certifications: AWS Certified Cloud Practitioner

EDUCATION

Indiana University Bloomington MS CS

08/2022 – 05/2024

University of Mumbai BE CE

08/2018 – 05/2022

PROJECTS

Blog-Writing Website | *MongoDB, ExpressJS, ReactJS, NodeJS, Flowbite, TensorFlowJS, Firebase*

- Released a technical blog website with modern UI/UX, including Light/Dark mode support using **MVC Architecture**, to enhance visual appeal and usability
- Focused on optimizing app architecture, for scalability, with **TailwindCSS** & **Flowbite** for precise layouts