Mihir Sachin Vaidya

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EXPERIENCE

Software Development Engineer
Hoosier Community Network

01/2024 – Present
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, Lambda and **SNS**, alerting the inventory manager when the stock fall below 200 Units.
- Improved the front-end performance and feel by using **Figma**, **SCSS**, **CloudFormation**, **React Redux**, improving accessibility and load times by 40%

Software Development Co-op
Schneider Electric R&D Department

08/2023 – 12/2023
Foxborough, MA

- Created a Levelized Cost of Hydrogen Calculator app using ASP.net & AngularJS to compare the economic feasibility of the new renewable fuel production systems
- Spearheaded a cost modeling algorithm in C# using MVC principles, improving cost estimation accuracy by 20% and keeping the budget of multi million dollar research project in check
- Displayed 4 interactive graphs with JavaScript and **Chart.js**, allowing users to visualize the impact of variables on overall costs
- Managed project progress using **Jira** which resulted in a 15% improvement in team productivity and the on-time delivery of the final product

Software Development Intern
Schneider Electric R&D Department

06/2023 – 08/2023
Foxborough, MA

- Contributed to the development of a web-based SCADA system using **.NET Core** & **Angular**, working closely with senior developers to implement key features & delivering scrum requirements 3 weeks before the deadline
- Created responsive UI and integrated RESTful APIs to process real-time data from various sources, improving the experience of 10 industrial operators
- Supported **Azure cloud** ETL service integration tasks using **data factory, databricks & PowerBi**, leading to a 20% increase in data processing accuracy
- Wrote unit tests and API Tests using **xUnit** & **Postman** contributing to a 25% reduction in bugs

Software Developer
Sahacharya Digital Solutions PVT. LTD

12/2021 – 08/2022
Mumbai, Maharashtra, India

- Engineered 15 **REST APIs** for a finances management app using **ExpressJS**, **NodeJS**, **EJS**, **ReactJS**, aiding 1000+ users in tracking income and expenditure
- Optimized data storage and querying for 10,000+ records using **MySQL** and **PostgreSQL**, improving query speed by 20%
- Researched and transitioned application architecture for downloading PDFs of the records from **PhantomJS** to **PuppeteerJS**, increasing download speeds by 60%
- Established a CI/CD pipeline to automate the release of testing and production builds for Finacial apps using **Bitbucket**, & **AWS CodeDeploy**, reducing build times by 2 hours and ensuring consistent, reliable delivery

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