Harshil Patel

Software Developer

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SUMMARY

Full Stack Developer with strong expertise in cloud computing and software development, specializing in Microsoft Azure, Python, React, and JavaScript. **Certified Microsoft Azure Developer (AZ204)** with hands-on experience in deploying scalable solutions, automating CI/CD pipelines, and developing user-centric applications. Adept at optimizing software performance and enhancing system reliability within Agile environments, with a proven track record of delivering high-quality solutions in complex technical projects.

# WORK EXPERIENCE

**Software Developer |** HealthCare of Ontario Pension Plan (HOOPP) **September 2023 – April 2024**

* Optimized an email notification system by migrating from Infrastructure as a Service (**IAAS**) to Azure Platform as a Service (**PAAS**), utilizing **C#**, **ASP.NET**, Customer Relationship Management (**CRM**), **SQL**, **Azure Durable Functions**, **Logic Apps**, and **Blob Storage** for improved monitoring, scalability, and efficiency.
* Enhanced a front-end project using **React**, improving **UI/UX** and interface **responsiveness**; developed and tailored **email templates** using **HTML**, **CSS**, and **JavaScript** for daily notifications to 10,000 users.
* Created and presented a **POC** for Azure Monitoring with **Application Insights**, reducing **bug resolution time** by 50%, and provided comprehensive **documentation** and **knowledge transfer**.
* Developed and maintained **CI/CD pipelines**, automated tasks with **PowerShell** scripts, and utilized **Azure DevOps**, **ServiceNow**, and Azure Portal for deployments and daily tasks, adhering to **Agile methodologies**.

# SKILLS

* **Frontend Development**: React.js, HTML, CSS, JavaScript, Next, Bootstrap, Rest API
* **Backend Development**: Node.js, Express.js, Flask, ASP.NET
* **Programming Languages**: C/C++, Python, Java, C#, JavaScript
* **Cloud Computing**: AWS, Azure
* **Databases**: SQL (Oracle, MySQL, PostgreSQL), MongoDB, KQL
* **DevOps**: GitHub Actions, YAML, Docker, Selenium
* **Collaboration and Version Control**: Git, GitHub, Azure DevOps

# PROJECTS

**Fragments Microservices |** Node.js, Express.js, AWS, Docker, CI/CD, GitHub Actions, Jest

* Developed a scalable microservice architecture deployed on **AWS** with secure authentication using **AWS Cognito** and data management with **AWS DynamoDB**.
* Integrated CI/CD pipelines using **GitHub Actions** and **Docker**, ensuring seamless deployment.
* Developed and integrated test cases with Jest to ensure robust software testing of API routes, ensuring reliability and performance.

**NEST Rentals |** Node.js, Express.js, MongoDB, Handlebars.js

* Developed an **MVC pattern** full-stack rental website using **Node.js** and **Express** for the backend, implementing **MongoDB** for database management to perform CRUD operations.
* Integrated **2-factor authentication** and **email notification** functionalities for secure user sign-up and streamlined communication. URL: <https://nest-rental.vercel.app/>

# ACHIEVEMENTS

* Led the team to **victory** in Smart City **Hackathon** 2023 at Seneca College, developing a modern website streamlining the quotation process for fire equipment; integrated **OpenAI** API to develop an interactive chatbot.
* Completed CS50’s Introduction to Computer Science by Harvard University on edX by submitting 10 labs and 10 assignments, gaining proficiency in computer science fundamentals and enhancing problem-solving skills.

EDUCATION

**Computer Programming and Analysis**   **January 2022 – December 2024 (Expected)**

Seneca Polytechnic, Toronto, ON **GPA**: 3.9/4.0 | President’s Honour list