HARSHIL PATEL

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SUMMARY

Aspiring Software Engineer with experience in backend development using Node.js, Python, and Java, and front-end development with React and Next.js. Certified Microsoft Azure Developer (AZ-204) skilled in developing and deploying applications using cloud environments like AWS and Azure. Proficient in building CI/CD pipelines and creating microservice architectures. A quick learner with a passion for technology, seeking to contribute to innovative projects at Capital One.

EDUCATION

Computer Programming and Analysis, Seneca Polytechnic, Toronto, ON   January 2022 – December 2024
GPA: 3.9/4.0 — President's Honour List

SKILLS

Programming Languages	Python, Java, C#, JavaScript, C/C++
Frontend Development	React.js, Next.js, HTML, CSS, Bootstrap, Rest API, JQuery
Backend Development	Node.js, Express.js, Flask, ASP.NET MVC
Databases	SQL (Oracle, MySQL, PostgreSQL), MongoDB, KQL, Cosmo DB, Azure SQL
Cloud and DevOps	Azure, AWS, Docker, GitHub Actions, YAML, Docker
Testing	Jest, HURL, xUnit, MSTest
Collaboration	Git, GitHub, Azure DevOps

EXPERIENCE

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

- Optimized an email notification system by migrating from IaaS to Azure PaaS utilizing C#, ASP.NET, SQL, and Azure services (Durable Functions, Logic Apps, Blob Storage), improving scalability and monitoring.
- Redesigned front-end components using React.JS, enhancing UI responsiveness by 30%; customized email templates in HTML, CSS, and JavaScript, delivering daily notifications to over 10,000 users.
- Developed and demonstrated a POC for Azure Monitoring with Application Insights, reducing bug resolution time by 50% and authored comprehensive documentation to facilitate knowledge transfer.
- Maintained CI/CD pipelines using Azure DevOps and GitHub Actions; explored similar practices in AWS environments to automate deployments and improve system reliability.

PROJECTS

Fragments Microservices - Node.js, Express.js, AWS, Docker, CI/CD, GitHub Actions, Jest
Engineered a scalable microservice architecture on AWS implementing secure authentication with AWS Cognito and optimizing data management using AWS DynamoDB and AWS S3. GitHub

NEST Rentals - Node.js, Express.js, MongoDB, Handlebars.js
Built an MVC pattern full-stack rental platform, integrating MongoDB for efficient database management. Live Demo

ACHIEVEMENTS

Led the team to victory in the Smart City Hackathon 2023 at Seneca College, developing a modern website with OpenAI API for an interactive chatbot.

Completed CS50's Introduction to Computer Science by Harvard University, enhancing problem-solving skills.