Bhargav Parekh

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EXPERIENCE

Junior System Developer – *MPAC, Pickering*

May 2022 - Dec 2022

- Worked with Python and AWS technologies including AWS Glue, EC2, load balancer, CloudWatch, S3 etc., along with GraphQL for development and data handling tasks.
- Aided in the development of simple prototypes and proof-of-concept projects, including the preparation of mock demonstrations to showcase potential solutions.

Web Developer – *Tazwiz, Toronto*

July 2019 - Dec 2019

- Worked with React.js, Redux, and MongoDB, focusing on creating responsive and user-friendly interfaces, leveraged JavaScript for dynamic web application development.
- Implemented secure authentication systems using Node.js, Express.js, and Passport.js, ensuring robust data protection and user access control.

EDUCATION

Hons Bachelor of **Computer Science**

Ontario Tech University, Oshawa

May 2021 – Dec 2023

Algorithm Design & Analysis, Computer Architecture, Computational Science, Software Quality Assurance, Systems Programming, Compilers.

Advanced Diploma in **Computer Programming and Analysis**
Seneca College, Toronto

May 2018 – Dec 2020

Web Programming, Database Systems, Operating Systems, UNIX/Linux and Internet, Data Communications Fundamentals, Object Oriented Prog.

PROJECTS

RegisterMe — *React.js, AWS S3 and Amplify (CI/CD), GraphQL*

- Developed a fully functional React application in response to the Covid-19 pandemic in 2020, aimed at regulating customer flow in salons and spas to ensure safety and social distancing.
- Implemented CI/CD pipelines using AWS Amplify to automate the build, test, and deployment.
- Utilized AWS S3 buckets for efficient and secure data storage and GraphQL for efficient data querying.

Auction System — *Java, Python, Bash, pytest*

- Developed front-end functionalities using Python and implemented robust back-end processes with Java.
- Created a bash script to automate testing procedures.
- Implemented key features including an intuitive user registration system, role-based access control (Admin, regular users), real-time bidding capabilities, and comprehensive auction management tools

SKILLS

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

Databases:
MySQL, PostgreSQL, NoSQL, MongoDB, AWS RDS, AWS DynamoDB

Technologies:
VS code, MySQL, React.js, Node.js, AWS, GraphQL, Git, Linux

Concepts:
Object Oriented Programming, Functional programming, Agile, Data Structures and Algorithms, CI/CD, SDLC, REST APIs

CERTIFICATION

Ultimate AWS Certified Cloud Practitioner
Jan 2005 - Present

- Understanding of IT services and their uses in the AWS Cloud platform.
- Knowledge of core AWS services.
- Click here for Certificate credential

VOLUNTEER WORK

BAPS Charities – Youth Mentor
Jan 2005 - Present

- Mentored teenagers on life skills and addiction free lifestyle.
- Annual walkathon in support of SickKids Foundations, William Osler Health System, CNIB Foundation and Victoria General Hospital Foundation

REFERENCES

Shin, Yonghoon
Supervisor/ Systems Lead at MPAC

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Viswanath Vangala
Manager, IT Business Architect at MPAC

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