Foyin Ogbara

Ottawa, ON, 289-700-5174

Foyinogbara@gmail.com   https://github.com/Foyin   https://foyin.github.io/

Software Engineer

Qualifications

- Bachelor of Cognitive Science (courses focused on AI, computer science, Statistics, and linguistics)
- Certified AWS Cloud Practitioner, and AI Practitioner
- Coursework in logic, algorithms and data structures, and discrete math
- Experience designing, developing and deploying scalable full stack cloud applications in an Agile/Scrum development environment using common software architecture patterns and best practices
- Experience providing technical explanations and guidance to clients and colleagues of varying technical backgrounds
- High standard for quality of work and ability to quickly adapt to changing requirements

Technical Skills

- **Languages:** HTML5, CSS3, Typescript, JavaScript, Java, Python, C#, SQL
- **Front-End:** Typescript, JavaScript, Reactjs, SASS, Jquery, Threejs, Mapbox GLJs, Canvas API
- **Back-End:** Nodejs, Expressjs, npm, MySQL, Docker, DynamoDB
- **Operating Systems:** Mac, Linux (Ubuntu)
- **Cloud & DevOps:** AWS SDK, IAM, Amplify, API Gateway, Lambda, DynamoDB, VPC, S3, EC2, Cloudfront, Cognito, Cloudwatch, Location service, Codecommit, SQS, SNS, Route53 (DNS), Git, GitHub Actions, Bitbucket, Cloudformation
- **Other Tools:** VScode, Postman, Figma, OOP, Agile/Scrum, REST & HTTP APIs, UDP & TCP/IP Networks, SSH, JSON, YAML, Server Side Rendering (SSR)

Experience

Software Developer - Ollon (Toronto, ON)   Sep 2021 - Dec 2021
- Worked on various projects but mainly using HTML, SASS, TypeScript, ReactJS, MySQL, Material-UI, nodejs, AWS Cloud, git, Bitbucket, figma, and some tools like slack and trello for collaboration
- Developed an appointment scheduling web application using React, TypeScript, Node.js, MySQL, and AWS services
- Implemented 10+ UI components and features, improving client workflow efficiency and user experience
- Consulted with clients periodically about technical updates and suggested additions that improved performance and user experience of the scheduling application
- Conducted unit testing and code reviews, maintained code quality and compliance with QA standards
- Worked in an agile environment with daily stand-ups and bi-weekly check-ins

Software Development Instructor - RP4K (Ottawa, ON)   Sep 2019 - Aug 2020
- Taught courses in C#, Python, Java, and Visual Basic by guiding students in building 2D video games
- Mentored students through debugging and troubleshooting, strengthening problem-solving skills
- Took initiative to create a new Java course which, based on my experience, was needed and sold it to the company and taught the course, which led to an increase in enrolments for the company

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Recent Personal Projects (Full portfolio here: https://foyin.github.io/)

Exploring the Link Between Walkability and Crime ETL Data Analysis Research Project -
(https://github.com/Foyin/Exploring-the-Link-Between-Walkability-and-Crime-ETL-Project)
- Project investigating the Relationship Between an areas infrastructure layout and the occurrence of crime
- Built ETL pipelines with Python, Apache Spark, AWS Glue & Athena to analyze urban walkability and crime
- Visualized insights with AWS QuickSight, enabling data-driven reporting
- Made using: *Python, Apache Spark, AWS Glue, AWS Athena, AWS Quicksight*

Nearby Route Tracker Web App - (https://github.com/Foyin/Minesweeper2)
- A route/trip planner CRUD app frontend. Users can find and log places of interest, group locations by proximity, calculate and save routes, and organize plans around a central location.
- Made using: *TypeScript, ReactJS, SASS, Mapbox GLJs, AWS Cognito, AWS Location service, AWS Amplify, Server Side Rendering, AWS codeCommit*

Minesweeper Cloud Full Stack Web App - (https://github.com/Foyin/NearbyApp)
- Classic minesweeper game web app with AWS cloud based sign on capabilities and a leaderboard. Users can play the game without signing in or create an account and sign in to save their score on the leaderboard for others to see. Only the top ten scores are saved and displayed.
- Implemented user authentication and leaderboard system
- Integrated cloud services for scalability
- Made using: *TypeScript, ReactJS, CSS, Canvas API, AWS API Gateway, AWS DynamoDB, AWS Cognito, AWS Amplify, AWS SNS, AWS Cloudwatch*

Education

B.C.S, Cognitive Science Degree (AI & Computing Focus),
Carleton University,
Ottawa ON   Aug 2024

Certifications

AWS Cloud Practitioner   Mar 2025
AWS AI Practitioner   Apr 2025