AUGUSTIN SOREL

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PROFESSIONAL EXPERIENCE

SquaredUp, Maidenhead - UK   September 2023 – September 2024
Full Stack Developer
- Designed and deployed a scalable solution for handling dynamic asset uploads, using AWS S3, AWS lambda function and AWS CloudFront
- Added encryption / decryption mechanism for sensitive data input, enabling safe storage of customers API keys within AWS DynamoDB, following the best industry security practices.
- Re-engineered the customer homepage using a modern ReactJs architecture by implementing responsive Bento grid layout.
- Wrote modular, reusable and well tested components with ReactJs and TypeScript.

Tarmac Technologies, Paris - FR   June 2022 – October
Front End Developer
- Performed software maintenance and delivered new features for two major codebases designed to be used by airline companies and airports ground workers.
- Partnered with back-end developers and created a dynamic dashboard with live data using Typescript and React, resulting in website leads increase by 15%.
- Followed a strict TDD method to deliver code with a test coverage of almost 100%.
- Worked in accordance with Agile, attending daily Scrums and working in weekly sprints.

PROJECTS

Algorithm - TypeScript - SerendipJS   December 2023 – February
SerendipJs
- A fully working front end framework written from scratch with full TypeScript support.
- Diffing and patching Algorithm written from scratch for minimal rerenders.
- Virtual dom tree with 4 nodes (portal, element, string and fragment)

Algorithm - TypeScript - ts-interpreter   June 2023 – August
TypeScript Interpreter
- Fully programming language made from scratch with TypeScript.
- Developed a custom parser and lexer to efficiently interpret and execute user-defined code.
- It supports OOP, classes, inheritance, user defined functions, built in functions, variable assignments and loops.

EDUCATION

Leicester University**,** Leicester, UK   September 2021 - Present
Bachelor of Software Engineering
- Awards: Best first year undergraduate with an overall grade of 90%.
- Achieved: Discrete Mathematics (95%), Computer Architecture(96%), Algorithms, Data Structures and Advanced Programming (87%), Computer Architecture(96%), Object Oriented Programming (99%).

Peter Symonds College**,** Winchester, UK   2019 - 2021
A Level - Math, Computer Science, French
- Achieved: A*, A*. A in those classes respectively.

SKILLS

Skills: TypeScript, JavaScript, ReactJs, NextJs, HTML, CSS, SASS, Bash, Linux, Docker, AWS, Postgresql, SQL, Tailwind CSS, Radix, React Query, Zod, Visx, TRPC, Drizzle, NodeJs, Bun.