

# Augustin Sorel

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## WORK EXPERIENCE

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### Fullstack Engineer

Sep 2023 — Sep 2024

SquaredUp

*Maidenhead - UK*

- Architected and deployed a cloud-native asset upload pipeline using AWS S3, Lambda, and CloudFront, enabling secure, scalable file delivery for high-volume customer workflows achieving >99.9% uptime for high-volume customer workflows.
- Implemented encryption and decryption mechanisms for sensitive API key storage in DynamoDB, following industry best practices, enhancing data security, ensuring GDPR compliance and reducing security risk for sensitive data storage.
- Redesigned the customer homepage using a modern ReactJS Bento grid architecture, optimizing layout responsiveness and interactivity across multiple devices, resulting in a smoother user experience.
- Developed modular, reusable React/TypeScript components with comprehensive unit tests and strong code documentation, increasing maintainability, accelerating feature delivery, and improving team collaboration.

### Front End Developer

Jun 2022 — Oct 2022

Tarmac Technologies

*Paris - FR*

- 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

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### SerendipJs ([github.com/AugustinSorel/SerendipJS](https://github.com/AugustinSorel/SerendipJS))

Dec 2023 — Feb 2024

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

### TypeScript Interpreter ([github.com/AugustinSorel/ts-interpreter](https://github.com/AugustinSorel/ts-interpreter))

Jun 2023 — Aug 2023

- 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

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### Leicester University

Leicester, UK

*Bachelor of Software Engineering*

*Sep 2021 — Jun 2025*

- Awards: Best first year undergraduate with an overall grade of 90%.
- Achieved: Discrete Mathematics (95%), Functional Programming (98%), Computer Architecture(96%), Algorithms, Data Structures and Advanced Programming (87%), Cloud Computing (85%), Object Oriented Programming (99%).

### Peter Symonds College

Winchester, UK

*A Level - Math, Computer Science, French*

*Sep 2019 — Jun 2021*

- Achieved: A\*, A\*. A in those classes respectively.

## SKILLS

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