

Full Stack Developer with **2 years** experience building custom, scalable **web applications**. I thrive in collaborative environments and am passionate about solving complex challenges with innovative, efficient solutions.

**Experience:**

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**Sphera – Software Engineer**

February 2023 - Current

- **Full Stack Development** in **React JS, Java, Docker, JavaScript, TypeScript, Cypress, Gradle, JUnit, Mockito, Postman, Redis**
- Developed 15+ custom **React.js** components from scratch, enhancing user engagement with highly interactive UIs.
- Implemented **asynchronous page loading** in **JavaScript**, resulting in **70%** improvement in web performance load time.
- Improved mobile usability by adding responsive features to a **Progressive Web App (PWA)** using **React.js**.
- Increased test coverage to **90%**, writing over **120 unit tests** using **Mockito**, which significantly improved application build stability.
- Collaborated with cross-functional teams (**product managers, designers, engineers**) to create **mobile-responsive designs** for a **Progressive Web App (PWA)**, significantly enhancing mobile usability.
- **Pair programmed** with **frontend** and **backend** developers to review **pull requests** and ensure code quality.
- Reduced code base vulnerabilities by over **60%**, using automated **unit testing** and **patching**.
- Automated **SQL migration scripts**, resolving corrupted user data and improving platform-wide data integrity.
- **Automated** the upgrade of **200 Gradle dependencies** ensuring the latest patch versions without manual intervention.
- **What I learned:** I gained hands-on experience with **React** and **Redux** in a real-world environment, learning how to develop reusable components and integrate them into larger systems. I also became proficient with **Docker** and **Java** backends, improving my **debugging** skills and understanding the importance of thorough **documentation** in a large-scale development process.

**88 Ninety – Software Engineer (part time)**

January 2024 - Current

- **Development** in **React JS, Redux, Cypress, Docker**
- Implemented **HTTP request caching** techniques, reducing the number of **data requests** and drastically **improving performance**.
- Built entirely new web pages using **React.js** and **Redux**, enhancing user experience with user-friendly interfaces.
- Kick-started **E2E Cypress testing** within the application by integrating **Cypress** and writing the first tests.
- Refactored legacy code to be **cleaner** and more **readable**, making it easier for future developers to work with.
- **Peer programmed** closely with backend engineers to design ideal **HTTP response body structures**.

**The Trade Desk – Software Engineering Intern**

June 2022 - September 2022

- **Full Stack development** in **TypeScript, Java, JavaScript** and **Maven**
- Implemented **Contract Testing** layer between a **JavaScript SDK** and a **Java API**. This was done to catch out **HTTP** messaging incompatibility when pushing new releases to either **API** or **SDK**.
- Wrote a **contract test** for every **endpoint** in the **API**.
- **Designed** and **published** an entirely **automated CI/CD process** for **Contract Testing** using **GitHub Actions** and **Webhooks**.
- Created and presented a **design document** with diagrams and explanations on the purpose of the project and the inner workings.
- Refactored **API** code and re-organised in a more structured manner
- Created a **PoC** to confirm core project **functionality**, which was approved by my manager and integrated to the code base.
- **What I learned:** I learned the fundamentals of **CI/CD pipeline design**, including setting up **automated workflows** and **integrating webhooks** for smoother deployments. I also gained expertise in **contract testing**, creating **proof of concepts (PoCs)**, and refining my **technical documentation** skills to ensure clear communication between teams and stakeholders.

**Personal Projects:**

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**E-commerce Store Web Application – React.js, Redux, React Router, CSS ([LINK TO PROJECT](#))**

- Created a **fully-fledged**, aesthetic shoe **e-commerce** store from scratch with a full **carting** system.
- **Fully responsive**, working seamlessly on **web** and **mobile**.
- Added advanced features, such as **user registration & authentication**, customizable delivery options, and email subscription services.
- Implemented features for **searching, filtering, categorising, and purchasing** of items..

**Stock Screener Web Application – React, Node.js, Puppeteer, Chart.js, CSS ([LINK TO PROJECT](#))**

- Built a stock screener using **React** for the frontend and **Node.js** with **Puppeteer** for scraping, allowing users to search and filter stocks.
- Integrated dynamic charting with **Chart.js**, enabling users to visualise stock performance and trends in real time.
- Optimised performance by implementing **data-fetching** and **caching** strategies, reducing **load times** and improving user interaction.
- **What I learned:** Enhanced my ability to work with **web scraping** tools & dynamic **data visualisation**, while focusing on performance.

**Education:**

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University of Birmingham – BSc. Computer Science (2020-2023)

**Skills:**

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React.js, React Hooks, Redux, JavaScript, TypeScript, Cypress, Bootstrap, HTML, CSS, Node.js, Express.js, Java, Python, PostgreSQL, Gradle, JUnit, Maven, CI/CD, Unit testing, Jest, Mocha, Mockito, GitHub Actions, YAML, Linux, Git, Docker, Postman, RESTful APIs, Responsive Design, SQL, Redis, IntelliJ IDEA, GitHub, Netlify, Heroku.