

Jeremiah Haastrup

Front-End Engineer

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London, UK

An experienced Front-End Engineer who specialises in building visually appealing, high-performance applications. Skilled in Java, React.js, SQL, and a range of modern development tools and frameworks. With a background in scientific research, I possess great attention to detail and exceptional organisational skills that are valued to every project. Dedicated to surpassing client expectations and deliver complete satisfaction with the product or service. Committed to contributing modern ideas to deliver quality solutions in a collaborative team environment.

Technical Skills

Languages: JavaScript, Java, TypeScript, HTML/CSS, SQL

Testing: Cypress, Jest, JUnit

Database: MySQL, Postgres

Frontend: React, NextJS, TailwindCSS

Backend: Spring Boot, Node.js, Express.js

Cloud & DevOps: Amazon Web Services (AWS), Git, Docker, Webpack, Maven, Gradle

Other Technical Skills: WordPress, Performance Optimisation, DevOps, Cloud Deployment & Storage, Search Engine Optimisation (SEO), Object-Oriented Design and Programming (OOD/OOP), Test-Driven Development (TDD), Cross-Browser Compatibility, Continuous Delivery and Continuous Integration (CD/CI), Design Patterns

Soft Skills: Agile Methodologies, SCRUM Methodologies, Project Management, Collaboration, Problem-Solving, Paired Programming, UX and UI Design, Figma, Responsive Web Design

Certifications: JavaScript Algorithms & Data Structures (FreeCodeCamp)

Relevant Experience

Front-End Engineer

Freelance

October 2022 – Present

- Strategically designed a user interface based on the client specifications and market research, resulting in a 40% improvement in user experiences.
- Collaborated with Front-End and Back-End developers in creating an application aimed at enhancing website content readability.
- Enhanced and thoroughly tested user interfaces and optimised graphics for 3 high-performance websites, ensuring adherence to cross-browser compatibility and web formatting standards.
- Enforced SEO best practises, boosting user interactions by 40% and expanded website accessibility across search engines.
- Optimised components and building processes, achieving a 60% enhancement in web performance.
- Improved content delivery effectiveness by designing 10 screens and functions, testing across 3 device types for user interface.
- Improved system communication efficiency by 20% through API development and system integrations.

Junior Java Developer

Northcoders

July 2024 – October 2024

- Improved application performance by 30% through collaboration with Java Developers on Full-Stack applications using Java, AWS, Spring Boot, and SQL.
- Increased unit test effectiveness by 20% through the implementation of TDD methodologies using JUnit.
- Increased code consistency by 25% via engaging in 13 peer code reviews adhering to industry-standard practices.
- Developed solutions using TDD that were transformed into functional applications by integrating user inputs and handling logic.
- Debugged and refactored 100 lines of code, ensuring application consistency and reliability.

Projects

Record Shop Android UI | Android, Java, Glide, Gradle

Link

- Produced an Android application using Java and MVVM (Model-View-ViewModel) architecture for scalable and maintainable code.
- Designed a dynamic and user-orientated UI that allows users to view, search, and manage records.
- Integrated the RESTful API with the Android app, enabling seamless communication between the backend and the Android client.
- Utilised Jetpack library Retrofit for handling HTTP requests, ensuring offline capabilities and responsive data handling.

Record Shop API | Spring Boot, Java, Android, PostgreSQL, AWS, Docker, Junit

Link

- Established a RESTful API in Spring Boot for a record shop using a cloud-hosted PostgreSQL database.
- Deployed and configured the API's cloud infrastructure on AWS Elastic Beanstalk making it accessible online.
- Implemented industry-standard practises to securely handle user data and manage inventory.
- Ensured application stability for 100% of HTTP requests by constructing unit testing for the Model-View-Controller (MVC) architecture.
- Maintained 100% code consistency using Git for version control, rectifying 10 known issues.

Shopping Inventory & Recipe App | Android, Spring Boot, RESTAPI, PostgreSQL

Link

- Achieved a streamlined inventory management app by leading frontend development for an Android app.
- Collaborating with a team of 6 developers, ensuring smooth integration between the Android frontend and Spring Boot backend.
- Improved user experience by designing and implementing a responsive Android UI.
- Integrating a third-party recipe API to enable dynamic, ingredient-based recipe search, enhancing user engagement.
- Facilitated seamless communication by working closely with the backend team, ensuring 99% uptime between services.

Fashion Designer Portfolio Website | Next.js, TypeScript, TailwindCSS

Link

- Showcased the portfolio by developing a Next.js & TypeScript website, attracting 100 visitors in the first month.
- Presented user flows resulting in 50% improved project delivery via Figma and TailwindCSS.
- Established a server for seamless integration of reCAPTCHA v2 for email verification and enquiry processing.
- Assembled an aesthetically pleasing navigation bar to showcase the client's portfolio and collections construction.

Contrast Ratio Calculator | JavaScript, HTML, CSS & Jest

Link

- Enhanced website content readability for 100 users by collaborating on a dedicated application with skilled Web Developers.
- Constructed a solution that analysed contrast ratios for 2 colour sets, improving accessibility for visual impairments.
- Promoted user-friendly and inclusive online experience for future websites by ensuring compliance with W3C accessibility standards.

Education

University of Essex

Master of Science (M.Sc.) in Molecular Medicine

Colchester, UK

Oct. 2020 – Sept 2021

University of Essex

Bachelor of Science (B.Sc.) in Biomedical Science

Colchester, UK

Oct 2016 – July 2019