FRANCESCA PIKE

SOFTWARE ENGINEER | JAVASCRIPT | PYTHON | REACT
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SUMMARY / ABOUT ME

Recent Software Engineering bootcamp graduate with a strong foundation in JavaScript, Python, React, and full-stack development. Proficient in HTML, CSS, and writing clean, maintainable code, with hands-on experience with state management, component reusability, and API integration. With 7+ years as a Designer, I bring expertise in UI design, website management, and user-focused problem-solving. At a leading EV charging tech company, I designed UI for the mobile app/SaaS products and managed the website, from HTML/CSS updates to a design overhaul. I am a positive, hands-on person eager to grow as a Software Developer and drive innovative product development.

TECHNICAL EXPERIENCE

Front-End: JavaScript, React, Next.js HTML, CSS, Tailwind, Bootstrap, User-Centered Design, Web Design
Back-End: Python, Node.js, Express.js, Flask, SQL, PostgreSQL, MongoDB
Mobile Development: Kotlin, Android Studio
Testing and QA Tools: Jest, Pytest, Playwright
Tools and Practices: Git, Docker, Scrum Fundamentals, Test Driven Development

Makers Academy Software Engineering Bootcamp   London, UK | Sept 2024 - Jan 2025

An intensive 16-week full-time programme focused on full-stack development, where I honed my skills in building robust web applications using a wide range of technologies including JavaScript, Python, React, Node.js, and Express.js.

- Applied Agile methodologies including Scrum and Kanban for effective project management and delivered user-focused solutions through collaboration and pair programming.
- Used Test-Driven Development (TDD) with Pytest and Jest to write unit, integration, and feature tests ensuring high-quality code.
- Gained expertise in Object-Oriented Programming (OOP) concepts and implemented them in both JavaScript and Python projects.

PROJECTS

→ Roam | Solo Project   JavaScript, React, Node.js, Express.js, MongoDB, HTML, CSS
A MERN stack web app where users build travel profiles and document trips with dedicated country-based blogs.

- Built secure user authentication and profile customisation with React hooks and JWT.
- Developed a dynamic blog editor for country-based travel stories using React components and structured MongoDB data models.
- Created an interactive favourites system with React state management for quick access to destinations.
- Designed and implemented a reusable component system with custom CSS and Bootstrap, creating a responsive and visually engaging interface without relying on external UI libraries.

→ Mean Money | Group Project   JavaScript, React, Node.js, Express.js, MongoDB, HTML, CSS
Budgeting site allowing users to track spending and saving goals, and get advice on where to cut back on spending.

- Utilised MERN stack for database management, backend logic, and dynamic and responsive UI.
- Implemented savings goal features from backend to frontend, ensuring seamless functionality and display.
- Designed the frontend in Figma and implemented with CSS and Bootstrap for an enhanced user experience.
- Collaborated with Quality Engineers to ensure functionality and accessibility standards were met.

→ **Acebook** | Group Project   JavaScript, React, Node.js, Express.js, MongoDB, HTML, CSS
A web app replicating Facebook's core functionalities, allowing users to manage profiles, interact, and upload media.

- Developed backend-to-frontend functionality for profile image uploads using Multer middleware.
- Implemented a "People You May Know" feature to dynamically display suggested users from the database.

→ **Makersbnb** | Group Project   Python, Flask, SQL, PostgreSQL, HTML, CSS
Project replicating functionalities of Airbnb, enabling users to sign up, manage listings, and book accommodation.

- Led frontend development, creating responsive UIs and custom iconography to enhance user experience.
- Developed backend functionality for user sign-up and form validation, integrating with Flask and PostgreSQL.

PROFESSIONAL EXPERIENCE

Freelance
Graphic and UI Designer   Nov 2023 – July 2024

- Implemented HTML and CSS to develop visually engaging, responsive websites for desktop and mobile, integrating Figma-designed layouts, Adobe-created assets, and CMS platforms like WordPress and Squarespace for seamless deployment.
- Produced a wide variety of marketing collateral including brochures, event artwork, social media assets, presentation decks and online adverts to effectively engage target audiences across multiple platforms.
- Created comprehensive branding packs and guidelines, including logos, colour palettes, and supporting materials such as iconography and social media templates, to ensure strong brand recognition.

Career Break | Travel   Sep 2022 – Sep 2023

Ohme EV Charging
Brand Design Manager   Aug 2020 – Aug 2022

- Worked closely with the Product team and developers to design UI for the mobile app and SaaS platform, running beta tests with real users to refine the experience and catch any issues before deployment.
- Spearheaded a successful website redesign in collaboration with agencies and developers, while also managing ongoing website maintenance, design enhancements, and content updates.
- Developed diverse content across print, video, and digital channels, such as product manuals, tutorial videos and a user-friendly partner marketing portal on Squarespace.

Marketing Executive   July 2019 – Aug 2020

- Managed website updates and CSS adjustments to improve user experience and performance, applying agile feedback loops to optimise functionality.
- Facilitated customer engagement through social media management, leveraging Adobe Suite for content creation and customer interaction strategies.

OTHER ROLES

Marketing Executive & Secretariat | Wilson James | 2018
Marketing & HR Assistant | Fortem Solutions LTD I 2017

EDUCATION

Anglia Ruskin University   2013 – 2016
Illustration BA (Hons) | 2:2