

# BEN HSIEH

## Software Engineer

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**SKILLS:** Proficient in **frontend development** with React, React Native, Angular, JavaScript, TypeScript, HTML5, CSS3, jQuery, and Webpack. Experienced in **backend development** using Node.js, Express, Java, Spring, C#, .NET, Python, Ruby, Rails, and Javalin. Skilled in **databases & ORMs** including MongoDB, Mongoose, SQL, PostgreSQL, Firebase, GraphQL, JDBC, and Hibernate. Familiar with **testing & QA** tools like RSpec, JUnit, NUnit, and Mockito. Knowledgeable in **DevOps & cloud technologies** such as Amazon Web Services (AWS), Docker, Heroku, Jenkins, and Maven. Proficient in **version control** with Git and GitHub. Experienced in **UI/UX & design** using Adobe XD and Adobe Photoshop. Worked with **APIs & services** including Google Maps API and Firebase.

## EXPERIENCE:

### Full Stack Software Engineer

*InductiveHealth*

May 2023 – present

- Develop, test, and deploy scalable enterprise software using **Java, Spring Framework, JavaScript, Linux, and SQL**, ensuring high performance and reliability.
- Partner with product managers to design and deliver **cloud-based solutions**, aligning technical execution with business objectives.
- Contribute within **Agile/Scrum** teams to architect, build, and support full-stack applications, following iterative development best practices.
- Utilize **Git, GitHub, and SourceTree** for version control, maintaining efficient collaboration and code integrity across projects.

### Full Stack Software Engineer

*JPMorgan Chase*

Mar 2022 – Apr 2023

- Developed and maintained enterprise-level software for the **Public Lockbox** project, leveraging **Angular, Java, Spring Boot, C#, .NET, and Microservices** to enhance functionality and performance.
- Designed and executed **unit and integration tests** using **FitNesse, Mockito, JUnit, and NUnit**, ensuring high code quality and reliability.
- Integrated **Drools rules engine** to streamline business logic and automate decision-making processes.
- Implemented **CI/CD pipelines** with **Jenkins** following **AWS SDLC methodologies**, improving deployment efficiency.
- Collaborated in an **Agile SCRUM** environment, delivering features in **2-week sprints** while using **Jira, Confluence, and Bitbucket** for project tracking and version control.
- Optimized database interactions using **Microsoft SQL Server** and developed applications in **Visual Studio 2019 & IntelliJ**.

### Full Stack Software Engineer

*Revature LLC*

Nov 2020 – Mar 2022

- Selected to work on the **JP Morgan Chase** project, developing and maintaining **enterprise-level software** using **Angular, Java, Spring Boot, C#, .NET, Microservices, C++, and Microsoft SQL**.
- Designed and implemented full-stack applications leveraging **Angular, Java Spring (Core, MVC, Boot), Javalin, Hibernate, PostgreSQL, JDBC, Jenkins, Maven, and AWS**.
- Ensured code quality and reliability by writing **JUnit, Mockito, Selenium Cucumber, and Protractor** tests, adhering to **TDD (Test-Driven Development)** and **BDD (Behavior-Driven Development)** methodologies.
- Managed application lifecycles using **Maven** for dependency management and build automation.

## PROJECTS:

**ROBERTHOOD**   *Ruby on Rails, SQL, Postgres, React, Redux, News API, Financial Model API, Rechart API*

[live](#) | [github](#)

*Financial app that enables real-time stock price search and displays the result in graphical form*

- Engineered scalable **React components** with **ES6+** for a dynamic dashboard, ensuring reusability across the application.
- Designed **Rails backend controllers** to fetch and serve stock quotes, historical data, and financial news via custom API endpoints (`/api/news`, `/api/stocks`).
- Enhanced data visualization by customizing **Recharts** with tailored CSS, improving readability and user experience for stock trend analysis.
- Optimized UI responsiveness using **CSS Grid and Flexbox**, refining interactive elements (forms, buttons, search) for seamless navigation.

**NSTOCK**   *MongoDB, Mongoose, Express, React, Redux, Node, React Google Maps*

[live](#) | [github](#)

*Full-stack inventory tracking application with a proof-of-concept implementation for toilet paper stock reporting using Google Maps place IDs.*

- Led frontend development for map integration, customizing **React Google Maps** to enhance user experience with dynamic search, marker placement, and auto-recentering functionality.
- Engineered an interactive **InfoWindow** component with JavaScript event listeners to simplify report submissions and real-time data evaluation.
- Collaborated in an Agile team using **Git** for version control, ensuring efficient code integration and feature deployment.

## **RECIPES DB**      *JavaScript, HTML, CSS, WebPack, EDAMAM API, Firebase DB*

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*Dynamic recipe database app that fetches and displays recipes by category (meals, breads, cakes, cocktails, beers) using the EDAMAM API and Firebase.*

- Designed wireframes in **Adobe XD** to plan UI/UX flow and guide development.
- Integrated **EDAMAM API** via **Axios**, implementing pagination (10 results/page) and navigation buttons for seamless browsing.
- Enhanced user experience with **CSS3 animations**, including hover effects and a loading spinner using **keyframes**.
- Stored user preferences in **Firebase** for persistent data management.

## **EDUCATION:**

**App Academy** (Jan – May 2020) - Completed an intensive 1000-hour software engineering program (admission rate <3%) with a focus on coding best practices, pair programming, and full-stack development.

**University of Maryland, College Park** – MBA, Information Systems

**New York University** – BS, Finance