

Jiahao Wu

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Skills

FrontEnd Development: HTML5 | CSS3 | Tailwind CSS | Bootstrap | JavaScript | TypeScript | Figma | React | Redux | Svelte | NextJS

BackEnd Development & Database: NodeJS | Express | C# | ASP.NET | Go | .NET Core | PostgreSQL | SQL | MongoDB | Firebase

DevOps & Tools: CircleCI | CI/CD | Jenkin Pipeline | Git | GitHub | NPM | Jira | Splunk | Data Dog

Test: Test-Driven-Development | Jest | Cypress | Unit Test | Integration Test

Language: English | Mandarin | Cantonese

Experience

Front-End Engineer at Couchbase *New York (Remote), NY* Nov 2022 - Present

SvelteJS / ReactJS / Tailwind CSS / Figma / Circle CI / Cypress / Datadog

- Led the development of a **Webhook Integration System** that enables **third-party services (e.g., Slack, ServiceNow)** to receive real-time **Couchbase cluster alerts**, reducing manual alert tracking for enterprise customers
- **Pioneered AI adoption** by integrating **ChatGPT, Cursor, and GitHub Copilot**, standardizing AI-assisted development. **Trained the team** and wrote best-practice documentation, **cutting development time by 50%** and reducing debugging efforts
- **Owned the project end-to-end**, working with Product, UX, and Engineering to define requirements and design.
- **Develop and maintain** user interfaces for Couchbase Capella, a cloud database platform used by **enterprise clients like Cisco, LinkedIn, and PayPal**, leveraging React, Tailwind CSS, and Figma for a modern UI experience.
- **Performed extensive code reviews and refactored legacy components**, reducing **technical debt by 30% in one quarter**, leading to **more maintainable and scalable code**.
- **Implemented integration and unit testing** using **Jest and Cypress**, improving test coverage and **reducing production bugs by 80%**. **Enhanced code quality and system stability**, ensuring more **reliable deployments**.

Software Engineering at Fiserv Berkeley Heights, NJ Nov 2021 - Nov 2022

C# / SQL / ASP.NET / .NET Core / Data Stax / PCF / RabbitMQ / Redis Cache

- Developed a **next-generation bill pay system** using C#, ASP.NET, .NET Core, RabbitMQ, and Redis Cache, handling **millions of daily e-payment transactions** for major banks like **Bank of America and Wells Fargo**.
- **Led the end-to-end development** of multiple products, defining requirements, workload balancing, engineering execution, testing, and monitoring, ensuring high-quality financial application performance.
- **Mentored 5 junior engineers** on **C#, SQL, ASP.NET**, improving team productivity and **reducing onboarding time by 50%**, leading to lower turnover and stronger engineering standards.
- **Migrated legacy codebases** from **TFS Lab to GitHub**, implementing **Jenkins CI/CD pipelines**, improving deployment speed and reducing maintenance overhead.
- **Enhanced system monitoring and incident response**, leveraging **Splunk dashboards** to proactively detect issues, **reducing bug resolution time and improving application uptime**.

Education

B.S Computer Science, Brooklyn College | 2017 - 2021