

Technical Skills

Expert: Java, TypeScript, JavaScript, SQL, API Optimization, React

Proficient: Node.js, Python, AWS, RPC, GraphQL, CSS, Web Performance, Kafka

Hobbyist: PHP, Rust, C#, C, Compilers

Work	<p>J.P. Morgan - Palo Alto, California June 2022 - Current</p> <p>Software Engineer</p> <ul style="list-style-type: none"> Lead developer of client onboarding APIs for Embedded Payments, a service managing payment solutions for large businesses and regional banks. Scaled APIs from dozens to millions of clients. <ul style="list-style-type: none"> Optimized client creation time from 9s to 3.2s through iterative improvements, including increased parallelization, caching, and process simplifications. Implemented a virus scanning sidecar service for secure processing of PDFs and JPEGs in KYC flows, enabling the safe handling of 5,000 documents a day. Led collaborations with the API Governance team to uphold schema standards and the UAT Teams to ensure system reliability and user satisfaction. Created an operational dashboard for diagnosing client issues and system states, leveraging a modern frontend stack with TypeScript and React. Led the completion of WePay's multi-year legacy v2-to-v3 API migration, improving success rates from <50% to 99% and enabling a seamless transition to an enhanced customer experience. Resolved data-race bugs in WePay's risk event microservice, processing 1M events daily. Boosted success rate from 85% to 99.7%, reducing payout delays and eliminating a major source of complaints. Unblocked over \$10M in TPV by extending WePay KYC framework to onboard publicly traded companies and previously disallowed NAICS codes.
	<p>Nuage - Bordeaux, France June - Dec 2020</p> <p>Software Engineering Intern</p> <ul style="list-style-type: none"> Built a compiler to transform existing GraphQL schemas into admin dashboards with React Admin. Delivered a company-wide demo and led knowledge-sharing sessions to onboard engineers.
	<p>DocuSign - Chicago, IL Summer 2019</p> <p>Software Engineering Intern</p> <ul style="list-style-type: none"> Built the proof of concept for DocuSign-Microsoft Dynamics integration to generate documents based on user templates, later released as a production feature.
Projects	<p>Healing Connections Nov 2019 - Current</p> <p>Freelance Software Engineer</p> <ul style="list-style-type: none"> Hosted several interactive tools for a California-based children's therapy organization, serving 10k requests/month. Tools are live at playtherapyapps.com On-call during live sessions with hundreds of licensed therapists to ensure seamless collaboration. Developed an open-source React library for interactive drawing using SVGs and DOM. Built with a plugin architecture and features a bundle size under 25 KB. Available at jzohdi.github.io/reactdraw.
	<p>Sightread Mar 2020 - Current</p> <p>Freelance Software Engineer</p> <ul style="list-style-type: none"> Implemented key features like file uploads, free play, the landing page, and instrument selection for open source release in-browser piano practice app (https://sightread.dev) Rewrote the rendering engine to use the HTML Canvas API, improving performance.
Education	<p>University of Maryland - College Park, MD Sep 2018 - May 2022</p> <p>BS. Computer Science</p> <ul style="list-style-type: none"> Major GPA 3.8