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<b>About</b>	Full-Stack Developer and Founder spanning FinTech, Health Tech, Retail Banking, and Software Consulting. Proven track record of launching startups, fundraising, and building things people need.
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<b>Skills</b>	<b>Frontend:</b> React, Next.js, TypeScript, Ruby on Rails, Tailwind, Redux, WebGL, D3.js <b>Backend:</b> Node, Typescript, Deno, JavaScript, Ruby on Rails, Python, Docker, AWS, DynamoDB, ECS, Kubernetes, Lambda, CDK, SQS, Kafka, Postgres, GraphQL, Datadog <b>Design &amp; Business:</b> Sketch, Figma, Prototyping, User Research, Marketing, SEO, Recruiting
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<b>Work</b>	<b>F2'24 Batch @ Recurse Center</b> <span style="float: right;"><b>Sep 2024 - Dec 2024</b></span> <i>Programming retreat focused on self-directed learning and collaboration</i> <a href="https://recurse.com">recurse.com</a> Attended a 3-month programming retreat focused on collaborative learning and working at the edge of my abilities. Worked on several projects including rebuilding React from scratch, iOS keyboard prototypes, and serverless infrastructure. <ul style="list-style-type: none"><li>• Made first open source contribution to Deno, adding port validation handling (<a href="#">#24399</a>)</li><li>• Built <a href="#">Rebuilding React</a>, an educational walkthrough of React internals.</li><li>• Developed an <a href="#">iOS keyboard</a> with dynamic key mapping based on natural finger placement.</li><li>• Created a <a href="#">FaaS platform</a> with Docker-based resource limitations and Deno runtime isolation.</li><li>• Built a <a href="#">Tetris Attack clone</a> with HTML Canvas and experimented with AI/ML gameplay approaches.</li></ul>
	<b>CEO @ SBMSR Software Solutions LLC</b> <span style="float: right;"><b>Aug 2021 - Present</b></span> <i>End-to-End Software Development &amp; Consulting</i> I help early-stage startups go from concept to deployed product. I also help with technical & strategic planning, UX design & research, and hiring. <ul style="list-style-type: none"><li>• Designed, coded, and launched a M&amp;A workflow management SaaS for a NY FinTech startup.</li><li>• Developed two-sided marketplace for luxury watch retailer; led design, development, and hiring.</li><li>• Built platform to give students practical real-world software skills by working on real codebases.</li><li>• Grew a YouTube channel focused on tech education to &gt;1.5k subscribers and +60,000 views.</li><li>• Built laser management system (inventory tracking, scheduling) for a medical device company.</li></ul>
	<b>Software Engineer @ Capital One</b> <span style="float: right;"><b>Apr 2019 - Aug 2021</b></span> <i>Technical Lead @ Fortune 100 Bank</i> <a href="https://capitalone.com">capitalone.com</a> Built, maintained, and extended customer-facing technology powering Capital One branches. <ul style="list-style-type: none"><li>• Architected &amp; built customer checkin API, reducing avg. checkin time by 25%.</li><li>• Built customer feedback collection into our app to enable user-centric product roadmap.</li><li>• Developed GovID Verification via iPad camera barcode scanning to prevent fraud.</li><li>• Established best practices to speed up dev onboarding and maintain code quality.</li></ul>
	<b>Founder, CTO @ Doorbell Health</b> <span style="float: right;"><b>Jul 2019 - Dec 2020</b></span> <i>Health Care SaaS Startup</i> <a href="https://doorbellhealth.com">doorbellhealth.com</a> As a sleep apnea sufferer, I started Doorbell Health to streamline the tedious CPAP patient experience. Built a team and raised seed funding to tackle this problem. <ul style="list-style-type: none"><li>• Led the development of products from ideation, customer feedback, and deployment.</li><li>• Scouted, hired, and managed a distributed team of 6 engineers.</li><li>• Grew company's MRR from 0 to over 18k in one year.</li><li>• Successfully raised 2.5M in seed funding from high-profile investors (Bling, Apollo, Justin Kan).</li></ul>
	<b>Software Engineer @ flexEngage</b> <span style="float: right;"><b>Apr 2017 - Mar 2019</b></span> <i>SaaS Retail Startup</i> <a href="https://flexEngage.com">flexEngage.com</a> Contributed during a period of hyper-growth at a YC-backed digital receipts startup, onboarding major clients and building new features. <ul style="list-style-type: none"><li>• Scaled the product (transition from monoliths to microservices) during a period of 10x growth.</li><li>• Onboarded major clients like Under Armor, Michael Kors &amp; Grupo Exito.</li><li>• Managed product catalog ingestion, syncing millions of items to our systems on a weekly basis.</li><li>• Organized meetings to solve issues faced by internal customer facing non-tech teams.</li></ul>
	<b>Diagnostics Engineer @ Apple</b> <span style="float: right;"><b>Aug 2015</b></span> <i>AppleCare Department</i> <a href="https://apple.com">apple.com</a> Interned at Apple's hardware diagnostics department, combating fraud by identifying counterfeit phones via hardware diagnostic tests. <ul style="list-style-type: none"><li>• Authored diagnostic suites for iPhone 6/6+ microphone &amp; speakers using Matlab/Lua/Obj-C.</li><li>• Developed data collection tool to gather and organize test results at scale using Python.</li><li>• Built diagnostic &amp; enclosure for iPhone 6+ optical image stabilization autofocus failure detection.</li></ul>

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<b>Education</b>	<b>University of Pennsylvania</b> <i>B.S.E in Comp. Sci.</i> <span style="float: right;"><b>Dec 2012 - Dec 2016</b></span>
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