

Jake Chitel

Staff Software Engineer

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I love building **frontends** and the **backends** that power them. I have an unhealthy obsession with **improving** things. I deeply enjoy **learning** and **teaching**. I hope to be the puzzle piece your **team** has been missing!

Languages

TypeScript | **JavaScript** | **C#** | **Swift** | **SQL** | HTML | CSS | Rust | bash
Python | Kotlin | Java | Haskell | Sass | PowerShell | C | C++

Frameworks & Tools

React | **Node.js** | **.NET** | **ASP.NET Core** | **REST** | Next.js | PostgreSQL
Git | Django | AWS | Terraform | SQL Server | Entity Framework
SwiftUI | Redux | Vite | Webpack | Vitest | Jest | Babel | Angular

Skills

Design | **Implementation** | **Testing** | **Deployment** | **Maintenance**
System Design | Data Design | UX Design | API Design
Mentorship | Technical Ownership | Craftsmanship | Attention to Detail

Work Experience

Staff Software Engineer

Direct Supply / Jun 2022 - Present

- Tech: **AWS, .NET, REST, React, TypeScript, Swift, SQL Server**
- Established myself as a go-to frontend expert for multiple teams
- Coordinated a multi-team effort to develop frontend standards
- Mentored junior engineers, providing guidance based on experience
- Designed a migration to make a complex legacy system more maintainable
- Refactored concurrent code in iOS app to reduce crashes by >50%

Software Engineer IV

Arch Capital Group / Jun 2021 - Jun 2022

- Tech: **Python, Django, REST, PostgreSQL, React, TypeScript**
- Utilized frontend expertise on a large, data-dense React codebase
- Developed a plan to migrate legacy class components to React hooks
- Designed a new UX for displaying pricing data and computations for insurance policies

Senior Software Engineer

Direct Supply / Sep 2017 - Jun 2021

- Tech: **AWS, .NET, REST, React, TypeScript, Swift, SQL Server**
- Led a project to rebuild a mobile app from scratch, learning new technologies quickly and standing up several reusable web services
- Designed and implemented automations to remove operational bottlenecks
- Built and maintained several React apps into legacy Angular codebases

Software Engineer

GE Healthcare / May 2017 - Sep 2017

- Tech: **PHP, C++**
- Developed a PHP-based reliability platform to analyze logs for events, providing failure counts and usage statistics for further analysis

Software Engineer

D+H / Jul 2016 - May 2017

- Tech: **.NET, SQL Server, JavaScript, Angular, Entity Framework**
- Maintained a complex N-tier SaaS product providing common and customizable logic and UI components for mortgage applications
- Designed and built an integration with a government identity verification service

Software Development Engineer

Amazon Web Services / Jun 2015 - Jun 2016

- Tech: **Java, REST, JavaScript, React, Angular, Webpack, Babel**
- Migrated the AWS Lambda console from Angular to React, utilizing a new build system using Webpack and Babel
- Dogfooded the public AWS API to build console UI features
- Built UI for the initial release of Lambda integration with API Gateway
- Designed API and implemented UI for versioning and aliases of functions

Software Developer

Marquette University GasDay Lab / Aug 2011 - May 2015

- Tech: **.NET, Azure, MS Access SQL, JavaScript, TypeScript, jQuery**
- Learned foundational full-stack programming technologies in a practical environment while still a student
- Maintained a system for ingesting, processing, storing, and displaying weather and natural gas data
- Designed a dashboard page displaying graphs for forecasted vs. actual weather and natural gas data

Education

Bachelor of Science, Computer Engineering

Marquette University / Milwaukee, WI / May 2015