

# Michael Plotke

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I'm a senior software engineer with a track record of leading teams in building and deploying successful products. With a deep understanding of technical and business constraints and possibilities I can help make your venture a success.

I have experience in web development, application programming, software architecture, technical leadership, project management, database programming, and UX design.

## Employment History

### Poll Everywhere

11/2022 – 11/2023

Senior Software Engineer

I pitched and led and mentored the team through prototyping and implementing projects to replace insecure outdated core components in critical products. The resulting applications were smaller, faster, more stable and secure, and delivered on time.

- Scoped and documented project work ensuring on time delivery of critical features.
- Led migration from outdated Electron to WebView2 in core product C# .NET codebase.
- Ensured compliance with security practices to close high vulnerability CVEs.
- Reduced complexity in a legacy codebase, facilitating work by junior engineers.
- Contributed to base web app, from the Ruby on Rails backend to the Tailwind frontend.
- Transferred knowledge with regular presentations of prototype work and project progress.
- Prototyped end-to-end automated testing of our Windows application and mentored the team who completed the test suite.

### GoodTime

12/2021 – 08/2022

Senior Software Engineer

- Worked across the TypeScript, React, Redux codebase refactoring types and components.
- Implemented a UI overhaul of the primary scheduling path.
- Integrated a new multi-day scheduling algorithm into the overhauled UI.
- Updated long outdated core NPM packages, including the necessary structural refactoring.

### PerkinElmer

11/2016 – 12/2021

Senior Software Engineer

- Utilized React, Redux, and Ramda to build the front-end of a chemistry notebook web app.
- Implemented domain critical features, including a stoichiometry table.
- Solved complex customer bugs quickly and decisively.
- Contributed several design reworks, from suggestion to implementation to production.
- Led the design of the app and mentored a junior designer for a year.

## MedForce

06/2015 – 08/2016

Software Engineer

- Helped update, expand, and improve existing web applications.
- Designed and developed a call center web app leveraging Bootstrap.
- Refactored legacy code and assisted in migrating to PHP7.

## Northshore School District

07/2013 – 03/2014

Software Engineer (Contractor)

- Developed a reporting site for school performance tracking.
- Leveraged complex MySQL, PHP, Javascript, and CSS.
- Collaborated with others at NSD to refine requirements and define data-flow.

## Heavy Inc.

06/2012 – 09/2012

Software Engineer (Intern)

- Developed an Android application for browsing the image galleries of heavy.com
- Built PHP scripts for serving JSON and an SQLite database to store it.

## Technical Skills

### Languages Used Professionally

C# .NET, Ruby on Rails, Tailwind

TypeScript, JavaScript, React, Redux, Ramda, CSS

PHP, SQL

### Languages Used Personally

C, Nim, Lua, Shell, Rust, Java, Python

### Software

Linux, Git, Vim, Node, CI, Docker, Figma

## Education

BS in Computer Science and Software Engineering from the University of Washington in 2013