**Ian J. MacIntosh**

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## **Summary**

I’m a staff software engineer specializing in front-end web dev. After being an engineering leader at Constant Contact for 8 years, I was architect for their $3B parent company, I stabilized a startup to win a $31M Series B, and rode my motorcycle from Boston to Argentina

## **Sabbatical Experience**

### [Boston to Ushuaia via Motorcycle](https://www.linkedin.com/posts/activity-7189452313109942272-kNzU?utm_source=social_share_send&utm_medium=member_desktop_web&rcm=ACoAAAMNhe4BK3-Sd6OPkuhK7GvMrIUAuFFOVLY) **Jun 2019 – Mar 2024**

* Crossed North, Central, and South America by motorcycle (28,126 miles, 15 countries)
* Learned Portuguese and Spanish
* Provided tech consulting services while stuck in Guatemala and Brazil during the COVID-19 pandemic

## **Work Experience**

### [SPHERE Tech Solutions](https://sphereco.com/) *Remote / Newark, NJ*

**UI Developer, Product Aug 2021 – May 2023**

* Reported to Director of Product, leading 2 teams (18 engineers, US- and India-based) responsible for the company’s flagship data governance product (Vue.js, .NET, MS SQL Server) used and trusted by Fortune 500 companies
* Reduced defect rate by 50% by raising coding standards, leading workshops on modern engineering tools and practices like *#NoEstimates*, and adding automated testing to CI/CD pipelines
* Worked with leadership to prepare for and present during review from Edison Partners and Forgepoint Capital, earning a $31 million round of funding
* Designed and conducted formal user research to inform discussions while planning and building new features with management, engineers, and designers

### [Bowst Interactive](https://bowst.com/) *Remote / Portsmouth, NH*

**Operations Consultant Feb 2021 – Aug 2021**

* Scaled up an engineering team fast by establishing a partnership with one of Boston’s best coding boot camps, building an efficient funnel to hire their top talent

### [Endurance International Group](https://www.endurance.com/) *Burlington, MA*

**Software Architect, Marketing Apr 2018 – May 2019**

* Architect for 35+ marketing sites, aligning with industry standards to improve stability and performance, boosting engagement +20% and trials +11%
* Stabilized 3 high-traffic websites running on archaic legacy infrastructure (Perl, NGINX), giving leadership time to focus on stack modernization instead of daily firefighting
* Led, coached, and mentored 5 teams of 3-10 engineers through challenges like from-scratch site rebuilds, rebrands, and platform migrations

### [Constant Contact](https://www.constantcontact.com/) *Waltham, MA*

**Principal Software Engineer, Website Team Apr 2015 – Apr 2018**

* Rebuilt the company’s product offerings into a singular all-in-one toolkit, improving front-end performance and scalability to support a growing user base of over 250,000 users while reducing tech debt

**Senior Web Developer, Website Team Oct 2009 – Apr 2015**

* Rebuilt the website to be "mobile-first," introducing responsive design to the company, presenting at internal conferences, and writing articles for company tech blog

### [The Atom Group](https://www.theatomgroup.com/) *Portsmouth, NH*

**Web Developer May 2007 – Oct 2009**

## **Side Projects**

### [GasCo.st](https://gasco.st/?utm_source=resume&utm_campaign=staff_eng)

**Creator, Personal Project Dec 2024 – Mar 2025**

* Built a knockout user experience using TypeScript, React 18, React Router v7, and Workers delivered via Cloudflare infrastructure for blazing fast performance
* Automated retrieval of exchange rate data from third-party API using a custom Node.js CLI tool scheduled to run nightly with GitHub Actions
* Ensured stability with CI/CD automation for static code analysis and unit, integration, and end-to-end tests

## **Skills**

* **Code**: React, TypeScript, JavaScript, React Router v7, Vite, CSS, HTML
* **Testing**: Vitest, Jest, Playwright, Cypress, Testing Library, MSW, Coveralls, Lighthouse
* **Platforms**: Cloudflare, Git, GitHub, CI/CD, GitHub Actions, VS Code, Dev Containers
* **Certifications**: Scrum.org Professional Scrum Master II (PSM II) ([view](https://www.credly.com/badges/e6319e08-06b5-4207-a4fc-dab8edc25763/public_url))

## **Education**

### [University of New Hampshire](https://www.unh.edu/) *Durham, NH*

**Bachelor of Arts, Sociology**