Isaac J. Lee

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Blog | GitHub | LinkedIn | Website

Lead engineer with over 20 years of coding experience.
Specialized in frontend and platform engineering.

// Expertise

- **Frontend:** Ember, Node, TypeScript, Internationalization
- **Platform:** CI/CD (CircleCI, GitHub, GitLab, Netlify), simplifying architecture, writing codemods (migrating production code), modernizing lint and test practices
- **Moreover:** Leadership, Open Source, Public Speaking, Teaching

// Professional Experience

Isaac J. Lee August 2026 – Present
Lead Engineer, Consultant

Lighthouse April 2025 – July 2026
Lead Full Stack Engineer

- Introduced Ember 6.12, Ember Data 5.8, CSS Modules, glint, template tag, v2 addons
- Created and ran codemods to quickly migrate and standardize code
- Created Node package to measure code quality and track migration status
- Mentored 1 frontend developer
- CSS Modules, Ember, Ember Data, Ember Exam, GitLab, Jira, Node, Percy, Polly, QUnit, React, Rollup, Sass, Sentry, Sinon, Storybook, Tailwind, TypeScript (Glint), Vite, Webpack

CLARK January 2021 – March 2025
Tech Lead (promoted from Senior Front End Developer)

- Introduced Ember 5.12, CSS Modules, ember-try, glint, pnpm, stylelint, v2 addons
- Reduced monorepo's complexity (190 to 109 packages), made CI cheaper and faster (33 to 14 minutes)
- Fixed failed attempts at a design system
- Mentored 5 frontend developers
- A/B Testing, CircleCI, CSS Modules, Ember, Ember Engines, Ember Exam, Event Tracking, Figma, Highcharts, Jira, Luxon, Mirage, Node, Percy, QUnit, Rollup, Sass, Sentry, Sinon, TypeScript (Glint), Webpack

Imago Inc October 2020 – December 2020
Software Consultant

- Migrated Imago Portal app to Ember Octane
- Designed components that are accessible and mobile responsive
- Introduced linting, testing, and CI (GitHub Actions)

FlashRecruit December 2019 – August 2020
Software Engineer

- Developed 2 Ember apps and 1 Node server
- Created algorithms for matching jobs and candidates, and parsing and transforming unstructured, un-sanitized data
- Migrated CI to GitHub Actions

- AWS S3, Ember, Ember Exam, Event Tracking, FastBoot, JSON:API, Mailgun, Mocha, NLP, Node, Percy, QUnit, Redis, Sentry, SQL, Tailwind, Trello, WebSocket

Identity Automation November 2017 – November 2019
Senior SaaS UI Developer
- Helped rewrite Adobe Flex apps in Ember
- Ported a workflow wizard to Ember with D3
- Mentored 3 junior developers
- Employee of the Quarter Spotlight Award (Q2 2018)
- D3, Ember, Ember Data, Mirage, Nearley, QUnit, Sass

Institute for Computational Engineering and Sciences August 2010 – December 2015
Graduate Research & Teaching Assistant

Software Verification and Validation Research Lab January 2010 – May 2010
Research Assistant

University of Kentucky, Student Support Services November 2007 – May 2010
Math Tutor

University of Kentucky, Department of Mathematics August 2007 – May 2010
Undergraduate Teaching Assistant

// Education

Goethe-Zertifikat C2: GDS February 2025

Distinguished Toastmaster January 2020

The University of Texas at Austin August 2010 – August 2012
MSc in Computational Science, Engineering, and Mathematics
- Worked on PhD until December 2015 (all but dissertation)
- 3.88 GPA

University of Kentucky August 2006 – May 2010
BSc in Mathematics, BSc in Computer Science
- Double degree
- Minors in Psychology, Statistics
- 3.98 GPA (summa cum laude)

// Public Speaking

- EmberFest 2025: Large-Scale Migrations with Codemods (lightning talk)
- EmberFest 2024: Moving Mountains
- Ember Europe 2024: CSS Modules + Internationalization for Embroider
- EmberFest 2023: codemod-utils (lightning talk)
- EmberConf 2023: In 1 Year
- EmberATX 2020: CI with GitHub Actions for Ember Apps
- EmberFest 2019: Write Tests Like a Mathematician
- Ember San Antonio 2019: Animation & Predictable Data Loading in Ember
- EmberATX 2019: Nearley.js - When Regex Isn't Enough
- EmberATX 2018: Use D3 with Ember

// Volunteer Experience

ada_kantine May 2026 – Present
Volunteer

Open Source Projects May 2020 – Present
Maintainer

- For the Ember community: ember-container-query, ember-intl, ember-testem, ember-workshop, embroider-css-modules
- For the JavaScript community: codemod-utils (created over 20 codemods), frontend-configs, ignore-lint-errors
- Ember, GitHub Actions, GitHub Pages, Google Analytics, Google Search Console, Minitest, Netlify, Node, Percy, QUnit, TypeScript, VitePress

crunchingnumbers(a)live January 2016 – Present
Editor, Webmaster

- Published over 70 blog posts
- Claude Code, CSS Modules, LaTeX, Netlify, Next.js, Oxlint, Remark, Rehype, Shiki, Vitest, WordPress

Ember Learning Core Team June 2020 – December 2021
Member

The Ember Times April 2019 – December 2021
Editor

EmberATX July 2018 – December 2020
Co-Organizer

Central Austin Toastmasters July 2016 – June 2020
President, *VP Education*, *VP Membership*, *Webmaster*

- Wix, Google Sheets, Google Analytics, Ulead PhotoImpact

District 55 Toastmasters February 2017 – June 2018
Area K75 Director, *Club Coach for Dynamic Public Speakers*