

Gabe Klein

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Summary

A full-Stack developer with a penchant for design and optimization, specializing in React and Node. On the server-side, proficient with Typescript to build at scale. On the client-side, comfortable with CSS for layout, animation and responsive design. Overall, have 11 years of experience in web and app development.

Background is in engineering and architecture of services. Education is through personal learning and on-project research. At work, communicative, team oriented, and enjoy inventing along with clients and project leaders.

Core skill-set and foci

	Language	Node, JS	Workflow	Environment
• Planning & Mockup				
• Research & Dev.	Javascript	Async, Promises	VS Code	React ¹⁷⁺
• REST / CRUD APIs	Typescript ^{3.9}	Microservices	Photoshop	React Native
• Database design	RegEx	Debug & Tracing	Github	Node ^{LTE}
• CI/CD	SQL ^{ANSI, mysql}	Algorithms	PaintCode	Unity
• Software Publication	CSS ^{3 / NEXT}	TDD w/ Jest	Slack	Docker
	Design ^(haha)	WASM	Clickup/Asana	GCE/AWS

What I'm into

- Optimization
- Stack R&D
- Process Automation
- Iterative Design
- Nuanced UX

Open Source

I build tools and abstractions, to smooth out workflows for myself and others. I build most things in Typescript, for Node and the general ecosystem through NPM. Besides libraries, I also build CLI tools and plugins for things like Babel and Webpack. This is one of the things I enjoy most professionally, making development easier to do.

Open Source Projects

You can find me at github.com/gabeklein! Here are some of my better-documented repos.

Good Timing

Time-based promise composition for Web & Node. Helps make timer logic easier to write.

Expressive JSX

A Domain Specific Language, giving high performance syntax to React developers.

Expressive MVC

MVC state machine, for React. Leverages hooks, and ES6 classes to manage rendering.

Entangled-IO

A static-analysis tool able to infer a REST API from function imports. Server interop, made easy!

Working Relationships

Comcast

Oct 2020 - April 2021 • UI Architect

On the business-internet team, I did technical planning for sprint teams. Interfaced with UX often, to convert designs into POR (plan of record), which set technology direction, project structure and timeline. Would then review and approve code submitted for production. Full-stack oriented, I also helped to ensure APIs and UIs needs were well communicated and being met.

For long-term planning, I'd also vet libraries and new concepts, presenting them to senior leadership. Did a lot of R&D, aimed at making development more efficient and more integrated. Enjoying mentorship and teaching, I occasionally would host internal workshops.

WirelessMatch

Sept 2019 - July 2020 • Principal Engineer

Headed up architecture as we constructed a new v2 application from the ground up. Working off an existing product, the company was eager to start fresh and make something robust. Built the new stack, setting up development for both the front and back-end apps. Ultimately, we went from monolithic PHP-Laravel, to a cleaner, more manageable monorepo using React and Node with microservices in mind.

SQL was a big part of my job as well, where performance metrics and reporting were very important to leadership. As a CMS, tracking interactions and smartly matching leads is the company's main offering. For me, this meant a fair bit of database-engineering. While not in my usual scope before then, it ended up a neat aspect to this job.

Mobile Savezones

Feb - Sep 2019 • Sr. Backend Developer

A remote contract. Here, I was responsible for designing and implementing the database and cloud solution for a mobile app. Using Node on Firebase, I made the back-end powering UX and supported developers working on the main product. Customer-facing and admin portals for the service were made in React. Originally slated to be a brief contract but did expand plenty over time.

TEEPS App Development

Mid 2018 • React Native Consultant

Worked with the agile-team at TEEPS, contributing React Native expertise to one of their customers' projects. Built and released [Happy Herbivore's Meal Mentor](#) app for iOS and Android.

For the new app, an existing backend was brought to us by the client, which could not be modified. To make the most of the limited API there, we came up with the solution to put data-handling capabilities, such as polling, in the app itself. React-Native was used for this, given its crossover with node. Ultimately we made what could be called a small server, as a middleware, and shipped a great user experience.

Trend Aviation

2016 - 2018 • Contractor, Technical Partner

Came on-board to develop the app for a new business model a jet-charter was pursuing. My involvement started as part-time web development and grew over time to cover the full stack. Built the web platform and managed all consumer facing design, including advertising. Worked with the CEO to expand the business, creating new software products for general aviation.

GER Media Consulting

2013 - 2014 • Junior Web Designer

A web consultancy I joined up with during college. Built websites and campaign emails. Worked in a team of myself, a full time designer and our project lead. Built out agency and company products with old-school HTML, Photoshop and jQuery. I might've had a hand in those free-iPad offers you'd see back in the day.