

Jay Perper

Senior Full-Stack Software Engineer

Seattle, WA

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Portfolio: jperper.app

PROFILE

Senior full-stack software engineer with 12+ years across cloud infrastructure, collaborative product platforms, LegalTech SaaS, and autonomous operations tooling. Strong in React, Vue.js, TypeScript, C#/.NET, Node.js, Python, Django/FastAPI, GraphQL, AWS, and real-time data-heavy dashboards.

TECHNICAL SKILLS

Languages

TypeScript, JavaScript, Python, Java, C#, SQL

Frontend

React, Vue.js, Next.js, Redux, React Query, Mapbox, Three.js, WebGL, D3.js, Tailwind CSS, Storybook, MUI

Backend

C#/.NET, Node.js, Express, Django, FastAPI, REST APIs, GraphQL, PostgreSQL, DynamoDB, Elasticsearch, Redis

Cloud / Infrastructure

AWS Lambda, AppSync, API Gateway, Kinesis, S3, ECS/EKS, Fargate, Terraform, Docker, Kubernetes, CloudFormation, CI/CD

Testing / Observability

Jest, Playwright, Cypress, Pytest, Sentry, Datadog, OpenTelemetry

AI / Developer Tools

Cursor, Claude Code, Copilot, OpenAI API

EDUCATION

UCLA

Master's Degree in Computer Science | 2012 - 2014

UCLA

Bachelor's Degree in Computer Science | 2008 - 2012

PROFESSIONAL EXPERIENCE

Kodiak Robotics - Senior Full-Stack Software Engineer

Jan 2022 - Present

Mountain View, CA

- Built Op Center workflows for live fleet monitoring, dispatch, autonomy-event triage, vehicle health review, assisted-autonomy requests, and privileged operator commands.
- Developed real-time map-based interfaces using React, Vue.js, TypeScript, Mapbox, Three.js, and GraphQL subscriptions to visualize truck state, telemetry, alerts, and route activity.
- Built tooling aligned with scaling from roughly 4 trucks per operations specialist toward 12-24 trucks per specialist.
- Expanded into backend and cloud workflows using Python frameworks including Django and FastAPI, plus AWS AppSync, Lambda, DynamoDB, Elasticsearch, Kinesis, S3, and Terraform across serverless off-board infrastructure.
- Improved dashboard performance and usability for frequent telemetry updates, map rendering, WebSocket-style subscriptions, and operational alerts.
- Built workflows connecting autonomous trucks, customer logistics systems, ground crew processes, assisted-autonomy drivers, and internal operations teams.

Filevine - Senior Full-Stack Engineer

Jan 2020 - Dec 2021

Salt Lake City, UT

- Built LegalTech SaaS features for case management, client intake, document review, task tracking, and legal operations workflows during Filevine's Series B/C growth stage.
- Owned full-stack product features across React, TypeScript, Node.js, C#/.NET, REST APIs, GraphQL, PostgreSQL, and cloud-backed services.
- Built intake and case-management workflows for lead review, case status tracking, task assignment, document management, and follow-up actions.
- Developed reusable form, table, and dashboard components across multiple LegalTech modules, reducing repeated frontend implementation work.
- Standardized API patterns, validation logic, shared UI components, and error-handling flows for customer-facing SaaS workflows.

Figma - Software Engineer

Jul 2017 - Dec 2019

San Francisco, CA

- Built user-facing product features for a collaborative design platform using React, TypeScript, WebGL, GraphQL, and WebSocket-based real-time collaboration patterns.
- Developed interactive UI components for collaborative editing, comments, presence, shared workflows, and team-based design experiences.
- Improved frontend performance for complex documents through memoization, debouncing, virtualization, and careful state-management patterns.
- Contributed to reusable design-system components that improved UI consistency and accelerated product development.

Amazon Web Services (AWS) - Software Engineer

Apr 2014 - Jun 2017

Seattle, WA

- Built frontend and backend systems for AWS Console and internal cloud operations tooling.
- Developed responsive React/TypeScript interfaces for cloud resource workflows, billing views, access-control screens, and operational dashboards.
- Built and maintained backend services using Java, Node.js, REST APIs, AWS Lambda, Kinesis, DynamoDB, and S3 to support cloud workflows.
- Improved frontend load time and responsiveness through code splitting, lazy loading, caching, and performance profiling.
- Participated in code reviews, testing, incident debugging, deployment automation, and operational support for production cloud systems.