

# Robert Paul Respicio

## Software Engineer, Frontend

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### SUMMARY

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**Software Engineer, Frontend** with 7+ years of experience building scalable, production-grade React, Svelte, and TypeScript applications across enterprise and startup environments. Expertise in frontend architecture, API contract design (Protobuf, ConnectRPC), authentication and authorization systems (OAuth 2.0, OpenID Connect, Okta), and AWS-backed platforms. Proven track record of leading greenfield builds, modernizing legacy systems, defining frontend standards, and delivering internal tooling that accelerated delivery cycles by up to 90% while improving reliability and operational efficiency.

### EXPERIENCE

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#### Software Engineer III, Frontend

10/2024 – 11/2025 | Vancouver, WA (Remote)

##### Fetch

- Built a self-serve dashboard tooling workflow enabling non-technical stakeholders to create, deploy, and maintain dashboards independently; accelerated dashboard delivery by ~90% and reduced recurring frontend engineering involvement.
- Led migration from Google-based authentication to Okta across internal dashboards; redesigned OAuth/OIDC flows and executed a phased rollout across distributed services with zero downtime and preserved user access.
- Contributed to the development of reusable UI components for an internal component library (PlayKit), built on shadcn/ui, adopted across multiple teams to standardize dashboard development and reduce redundant frontend work.
- Improved performance and reliability across multiple legacy React dashboards by refactoring state updates, introducing memoization, expanding Jest/Vitest coverage, and implementing API caching—reducing renders and duplicate network calls.
- Provided mentorship to a frontend intern through code reviews, workflow guidance, and technical feedback, contributing to their successful integration into production development cycles.

#### Software Engineer II, Frontend

08/2023 – 10/2024 | Anaheim, CA (Remote)

##### Fetch

- Sole frontend engineer responsible for redesigning the sweepstakes portion of the admin platform supporting a \$1M post-Super Bowl campaign, re-architecting winner selection logic to handle 3.2M new user signups, improving performance, drawing accuracy, and validation speed while expanding unit test coverage to ensure production reliability.
- Designed and implemented a bulk-entry workflow for mail-in sweepstakes processing, including CSV file upload, batch validation, and streamlined UI flows—reducing processing time by up to 90% and minimizing manual handling errors.
- Defined and implemented frontend API contract standards using Protobuf + ConnectRPC, improving type safety, reducing runtime API errors, and aligning frontend/backend interfaces across teams.

#### Software Engineer, Frontend

02/2022 – 08/2023 | Davis, CA (Remote)

##### Fetch

- Launched a greenfield Svelte + Vite admin platform with reusable component architecture, standardized state management patterns, logging and API integration contracts—supporting rewards, sweepstakes, and merchandise workflows across 4 internal teams (Marketing, Support, Rewards, Operations) and reducing time-to-live for new initiatives by over 80%.
- Reduced new-dashboard deployment time by 50% by automating AWS infrastructure provisioning through CloudFormation, standardizing resource tagging and automated teardown to improve repeatability and minimize operational overhead.
- Automated legacy rewards creation flows, replacing repetitive copy-paste processes across five rewards types and significantly reducing manual input.

#### Software Engineer

05/2019 – 02/2022 | Irvine, CA

##### TensorIoT Inc.

- Delivered 11 enterprise React IoT dashboards, featuring real-time data visualization (charts/heat maps), powered by WebSocket telemetry streams, improving operational visibility for client teams.
- Implemented frontend role-based access control (RBAC) logic integrated with AWS Amplify and Amazon Cognito, enforcing permission-based UI rendering, route protection, and action-level restrictions.
- Partnered directly with enterprise clients and cross-functional teams to translate business requirements into production-ready dashboards on AWS, improving code quality through tighter feedback loops and delivering releases ahead of deadline.

#### Full Stack Developer

07/2018 – 03/2019 | Irvine, CA

##### Eleveight, Inc.

- Founding engineer who architected and built a full-stack React platform from scratch, defining frontend architecture, WebSocket-based real-time communication, RBAC, and authentication strategy to support secure multi-user workflows.

- Designed and implemented secure backend APIs, authentication flows, and notification systems, reducing security risk and delivering a production-ready MVP within an 8-month contract.
- Established CI/CD pipelines and deployment workflows, enabling consistent builds and streamlined releases in an early-stage startup environment.

## SKILLS

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**Frontend** — React, Next.js, Svelte, SvelteKit, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Redux Toolkit, TanStack Query, TanStack Table, Vite, Axios, Accessibility (a11y)

**Backend/APIs** — Node.js, Express, REST, Protobuf, ConnectRPC, MongoDB, SQL

**Cloud/Infrastructure** — AWS (S3, CloudFront, Route53, API Gateway, Amplify, Cognito, CloudFormation), Serverless Architecture, SST, Vercel, Cloudflare

**Authentication/Authorization** — OAuth 2.0, OpenID Connect (OIDC), Google Identity, Okta, Better Auth, JWT sessions, RBAC

**Testing/DevOps** — Vitest, Jest, GitHub Actions, CI/CD, Docker

**AI-Assisted Development** — ChatGPT / Codex, Claude / Claude Code, Cursor

## AWARDS

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### Top 10 Best AI Idea (of 200+ teams) - Fetch

08/2025

Designed and built D.A.R.C.Y., an AI assistant powered by n8n workflow orchestration, enabling natural-language dashboard discovery, access management, and CRUD operations—reducing manual administrative workflows.

### Most Creative Idea - Automobility LA Hackathon

11/2018

A peer-to-peer errand sharing solution for the working professional. This application consumed several Visa and GM APIs that were required to display data over a GM emulator for this competition.

## EDUCATION

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### Associate of Arts (A.A) in Psychology

Fullerton, CA

Fullerton College [↗](#)