

Bobby (Alborz) Ghalam

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SUMMARY

Full-stack software engineer with 10+ years SaaS startup experience building accounting and nonprofit SaaS, CPA candidate background, and hands-on experience shipping production AI systems. Combines deep domain expertise in accounting and fund accounting with modern engineering across TypeScript, React, Elixir, and Java – including real-time architectures, background job pipelines, microservices, and LLM/vision integrations. Owns features end-to-end: schema design through deployed UI.

SKILLS

- **Frontend:** React/Redux, React Query, TypeScript, Phoenix LiveView, Tailwind CSS, Stencil, Web Components, JavaScript, Ember, Jest, Cypress, REST APIs, GraphQL
- **Backend:** Elixir/Phoenix, Node.js (Fastify, Express), Oban, Ecto, PostgreSQL, Java, Python, microservices, WebSockets, background jobs
- **AI/ML:** LLM integration (Anthropic Claude, OpenAI, OpenRouter), AI vision models, ZBar/ZXing barcode decoding, prompt engineering
- **Infrastructure:** Docker, nGrok, Stripe, Plaid, GitHub Actions CI/CD, Cloudflare R2, self-hosted deployment (Hetzner/Dokploy), AWS, Tailscale, Git, Agile, Scrum
- **Domains:** Accounting, fund accounting, nonprofit finance, SaaS, reporting, ACH, payables, receivables, reconciliations, donation processing, 990 tax reporting, GAAP

WORK EXPERIENCE

Software Engineer II – Velora (August 2025 – May 2026)

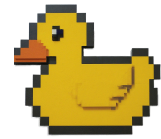
PE-backed nonprofit SaaS platform combining Aplos, Keela, and Raisely (accounting, CRM, and fundraising)

- Delivered full-stack features across Velora's unified product suite following PE acquisition and rollup of three nonprofit SaaS companies.
- Improved load speed and resiliency of flagship check register product by over 70% in comparison testing and Sentry error rates with component library re-write.
- Maintained and extended accounting and donations features serving tens of thousands of nonprofit organizations through organizational transition.

Software Engineer – Aplos (October 2019 – August 2025)

Accounting and fund accounting SaaS serving 40,000+ nonprofit organizations

- Redesigned legacy integrations architecture, increasing API throughput 3x and eliminating recurring production incidents across key third-party systems.



- Led full frontend migration from Ember to React across multiple applications, accelerating feature delivery and modernizing the developer experience.
- Built cross-framework web component library (Stencil) adopted across all products, eliminating duplicated UI code and enforcing design-system consistency.
- Shipped greenfield and brownfield features across the accounting and donations stack, directly contributing to utilization growth, recurring revenue, and user satisfaction.
- Mentored new engineers, establishing onboarding processes that reduced ramp time and contributed to team growth.

Quality Engineer – Aplos (January 2017 – October 2019)

- Built QA function from inception to 5-person team, establishing department standards and practices.
- Implemented Selenium automation suite, measurably increasing critical system test coverage.

Business Analyst – Everest Solutions Group (March 2014 – September 2015)

- Analyzed client business workflows and delivered requirements documentation supporting enterprise software/hardware implementations.

PROJECTS

- **Project Whirlwind** (2025 – Present) – Soup to nuts organization: Github org, Slack workspace, modular and extensible micro services on self-managed infrastructure with full CI/CD, Docker multi-stage builds, and inter-service networking.
- **Dejour** (Elixir/Phoenix/LiveView) – Personal portfolio and link aggregator ingesting tech news and newsletters for efficiently staying apprised of industry news.
- **Tildes-Bluesky Bot** (Node.js/AT Protocol) – Automation tool that scrapes top posts from Tildes.net and publishes to Bluesky.

EDUCATION: M.S. Computer Science – CSU Fresno (inactive)
Certified Public Accountant – 3 of 4 Exams passed
B.A. Economics – UC Davis