

AVI CHARLOP

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PROFESSIONAL SUMMARY

Experienced and innovative Senior Full-Stack Engineer with over 10 years of expertise in designing, building, optimizing, and maintaining web and mobile applications. Adept at building and leading remote teams, modernizing legacy systems, and delivering high-quality, scalable solutions. Skilled in creating intuitive user interfaces and contributing to open-source projects. Passionate about leveraging cutting-edge technologies to drive impactful digital experiences.

CORE COMPETENCIES

Frontend Technologies: React, TypeScript, Next.js, Astro, Angular, React Native, Fumadocs

Backend & APIs: Node.js, Bun, Go, Ruby on Rails, GraphQL, tRPC, Fastify

DevOps & Tooling: Bash, Docker, Terraform, GitHub Actions, Gitlab CI, AWS, GCP

PROFESSIONAL EXPERIENCE

Team Lead

Vionlabs | Remote | February 2025 - February 2026

- Built and led 4-engineer team establishing workflows and code standards for a greenfield full-stack monorepo (Next.js, tRPC, Fastify, Fumadocs).
- Designed and delivered a robust multi-source data sync pipeline, unifying content from multiple upstream systems into a single, customer-facing portal.
- Provisioned and scaled GCP infrastructure with Terraform and implemented GitLab CI/CD pipelines for reliable, automated deployments.
- Partnered directly with Sales to onboard enterprise customers and drive rapid iteration—turning feedback into same-day product updates.

Senior Frontend Engineer

Collect.AI | Remote | August 2023 - August 2024

- Collaborated closely with design and product teams to implement a major UI overhaul enhancing design consistency across the entire platform.
- Introduced Redux Toolkit with RTKQuery for a simplified state management and data fetching.
- Developed a fully type-safe form generator using React Hook Form and internal component library, standardizing forms and reducing development time.
- Streamlined internal package management by migrating from NPM to GitHub Packages and automating deployments with reusable GitHub Actions workflow.

Freelance Full-Stack Developer | October 2022 - June 2023

- **whocards.cc:** Developed a conversation card platform using Astro for the frontend using Stripe and multiple shipping vendors for a fully automated purchase flow.
- **J3D.AI:** Built an MVP for a real-time AI-powered summary tool enabling users to generate live workshop summaries and actionable next steps through interactive tools.

- **proofofperformance.xyz**: Designed and implemented a Web3 NFT minting experience for a live DJ event, leveraging Tezos blockchain for secure transactions.
- **circa.art**: Created an NFT marketplace with Next.js, allowing users to purchase video frames during a high-profile launch, with continued engagement post-launch.

Net2phone | Remote | February 2017 - November 2022

Cross-Team Intrapreneur | React | 2020 - 2022

- Introduced React micro frontends to modernize a legacy Angular system, optimizing feature development across teams.
- Built a WebRTC-powered dialer widget supporting multiple call server configurations enhanced real-time communication offerings.

Lead Front-End Engineer & Scrum Master | Angular | 2019

- Led the creation of a shared component library for various products, improving consistency and speeding up feature rollouts.
- Upgraded Angular codebase from v2 to v9, optimizing performance and reducing initial application load time by 50%.

Mobile Engineer | React Native | 2018

- Developed and enhanced live chat and calling features within the mobile app, improving user communication flows.
- Streamlined code generation processes to accelerate mobile app releases.

Backend Engineer | Go, Dart | 2017

- Refactored microservices architecture using Go to improve system scalability and maintainability.
- Implemented robust unit testing across key services to enhance reliability.

Software Engineer

Takt Digital | Miami | May 2016 - January 2017

- Led development of a streaming media workflow engine, serving as the sole developer for its MVP stage up to 2nd round of Y Combinator.
- Managed both frontend and backend development for **Aapryl**, a fintech analytics dashboard, delivering a comprehensive MVP using Angular and Node.js.

OPEN SOURCE CONTRIBUTIONS

- **prism-rails**: Maintainer of a Ruby on Rails syntax highlighter gem with 200K+ downloads
- **tailwind-config-viewer**: Contributor on a tool to visualize local Tailwind configurations.

EDUCATION

Ironhack Bootcamp | Miami | March 2016 - May 2016

Completed 400+ hours of intensive web development training, focusing on Ruby on Rails, JavaScript, HTML, Git, and Test-Driven Development (TDD) through hands-on projects.

City College of New York (CCNY) | New York | 2011 - 2013

Pursued coursework in computer science, focusing on foundational concepts such as algorithms, data structures, and programming principles.