

Billie Paul Heidelberg Jr.

Senior Full Stack Engineer · Technical Lead

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SUMMARY

Senior Full Stack Engineer with 8+ years of experience designing, building, and scaling production web and mobile applications. Skilled in React, Node.js, TypeScript, and AWS with a proven ability to architect reliable systems, lead technical teams, and deliver high-impact products. Integrates AI-assisted development tools (Claude Code, Windsurf) into daily workflows to accelerate delivery, support test-driven development, and improve system design and code quality. Focused on building reliable, production-ready systems used by real users.

TECHNICAL SKILLS

AI Dev Tools: Claude Code, Windsurf IDE, ChatGPT, GitHub Copilot

APIs & Tooling: REST APIs, GraphQL, Postman, JSON, SQL (PostgreSQL, MySQL)

Frontend: React, Next.js, React Native, TypeScript, Tailwind CSS

Backend & Data: Node.js, Express, Supabase, PostgreSQL, Redis, MongoDB, ETL Pipelines, Data Modeling

Cloud & DevOps: AWS (Lambda, CloudFront, S3, SQS), Docker, CI/CD, Serverless Framework

Other: Python, Groovy, Unit Testing, Technical Documentation, Cross-functional Collaboration

WORK EXPERIENCE

Full Stack Engineer (Freelance) | *That Aisle*

September 2025 – Present

Hair care discovery platform · React Native mobile app + React admin portal

- Built cross-platform mobile app using React Native (Expo) with Firebase backend — including Firestore, Firebase Auth, APNs/FCM push notifications, and Cloud Storage.
- Developed React admin portal for content and user management, integrating Algolia search with Firebase Cloud Functions for real-time product sync.
- Navigated full iOS/Android App Store submission pipeline including guideline compliance, screenshot requirements, and push notification certification.

Founder & Full Stack Engineer | *PivotLogs*

April 2025 – Present

Trading journal and analytics platform for active traders · Solo build

- Built full-stack SaaS platform with Next.js 15, Supabase, and PostgreSQL — including 38+ row-level security policies, normalized schema with triggers, and secure storage.
- Built emotion tracking, custom setup management, and performance dashboards with interactive TradingView charts and real-time Polygon market data integration.
- Leveraged AI-assisted development (Claude Code, Windsurf) to accelerate feature delivery, support test-driven workflows, and reduce iteration cycles across the full stack.
- Deployed to Vercel with automated CI/CD and zero-downtime release processes.

Full Stack Engineer (Freelance) | *Simmr*

July 2023 – December 2025

Social discovery platform · 2,000+ active users

- **API design & debugging:** Engineered scalable APIs and event-driven architecture using Apollo GraphQL, Hasura, and Node.js — including real-time notification systems and async job workers.
- **Data & tooling:** Managed PostgreSQL schema, automated migrations, and built internal data workflows for analytics and operational visibility.
- **Third-party integrations:** Integrated Twilio, Stripe, Mixpanel, and AWS SES — triaging integration edge cases and ensuring reliable communication and payment pipelines.
- **Infrastructure:** Managed deployment and provisioning using Serverless Framework and Docker, reducing environment inconsistencies and improving release reliability.

CTO & Co-Founder (Freelance) | *TOLO*

October 2022 – January 2025

Mobile content discovery platform for independent artists

- Led end-to-end development of React Native (Expo) mobile app with Supabase backend — real-time subscriptions, role-based access, and media upload infrastructure.
- Built viral content ranking algorithm and improved feed performance by 40% through SWR caching.
- Directed sprint planning, code reviews, and iOS/Android deployments via Expo Application Services.

- Led technical direction, architecture decisions, and product planning while coordinating development across mobile, backend, and infrastructure.

Educator & Mentor (Part-Time) | *General Assembly* October 2020 – Present

- Instructed 150+ students in full-stack development — React, Node.js, Express, MongoDB, Python, Django.
- Mentored students through portfolio projects, technical interviews, and career transitions.
- Assisted AI and Solutions Architect 1-week cohorts and led AI and Intro to AI Prompting seminars.

Software Engineer & Technical Trainer | *InvestCloud Inc.* July 2018 – June 2025

Leading provider of digital financial services applications · Promoted through four roles over seven years

- **Internal tooling:** Built and maintained ETL pipelines, internal automation tools, and data workflows using PostgreSQL, MySQL, Python, and Groovy — reducing manual ops and integration setup time by 40%.
- **API & integration support:** Debugged and resolved integration issues for 100+ developers globally across REST and data pipeline workflows, reducing resolution time through clear documentation and repeatable runbooks.
- **Cross-functional triage:** Partnered with Engineering and Product teams to identify root causes of system and data issues, escalate bugs, and verify fixes before rollout.
- **Documentation & training:** Led technical training for 100+ developers globally on debugging, integration patterns, and best practices — boosting team efficiency by 30%. Built and maintained support docs and workflow guides.
- **Schema & API standards:** Contributed to system-wide improvements in schema design, API standards, and UI component consistency across the platform.

ADDITIONAL EXPERIENCE

Jr. Front End Developer, BBDO Los Angeles	2017 – 2018
Front End Developer (Contract), Airbnb	2017

EDUCATION

General Assembly · Web Development Immersive, Santa Monica, CA · 2017