

OMIE HOLLEY

Staff-Level Full-Stack Engineer & Technical Product Builder

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PROFESSIONAL SUMMARY

Full-stack engineer with 10+ years taking products through their entire life — from ambiguous beginnings to production systems people depend on. Starts wherever the problem starts: user research, UX, data modeling, frontend, backend, or cloud infrastructure. Comfortable inheriting an undocumented prototype or a legacy monolith, and just as comfortable with a blank page. Ships, then keeps it healthy — monitoring, observability, root-cause debugging. Works hands-on at every scale: independently, embedded in a team, or leading one.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Java, SQL, Python
Front-End	React, Next.js, Remix, Angular, TailwindCSS, HTML/CSS, Flutter; Design Systems & Component Libraries; Data Visualization (D3.js, Recharts)
Back-End	Node.js (Nest.js, Express, Fastify), Spring Framework, GraphQL, REST APIs, AWS Lambda, Fargate, EventBridge, SNS/SQS
AI & NLP	AWS Bedrock, Lex, Comprehend, Transcribe; Conversational AI (Chatbot/Voicebot); LLM Integration & Orchestration; Batch Inference; Call-Analytics & Classification Pipelines
Databases	PostgreSQL, MySQL, Oracle, MongoDB, DynamoDB, Redis, Databricks; Prisma & Drizzle ORM
Cloud & DevOps	AWS (CDK, EC2, ECS, ECR, Fargate, Lambda, S3, VPC, DMS, IAM, CodePipeline/Build/Deploy, EventBridge, SNS/SQS, Bedrock), GCP (AppEngine, BigQuery, Pub/Sub, DataFlow); Docker, Terraform, CloudFormation, IaC, CI/CD
Architecture	Enterprise & System Design, Domain-Driven Design, Database Architecture, Microservices, Federated Front-Ends, Event-Driven, Performance Tuning
Product & Delivery	Product Discovery, Specs & Wireframes, UI/UX Design, Figma, User Research & Personas, A/B Testing, Feature Flags, Observability (Datadog, Dynatrace, Amplitude), Testing (Jest, RTL, Cypress, Playwright), Accessibility (WCAG/ARIA), Agile/Scrum

PROFESSIONAL EXPERIENCE

Solutions Architect

Jul 2024 – Present

Creospan

Remote (W2)

- Gave a multi-billion-dollar rental client natural-language answers to why customers call — architecting their first production AI system end-to-end as sole architect: an AWS pipeline ingesting ~1,400 calls/day (Nice API → Transcribe → Batch Inference classification → data lake) with version-controlled classification, QuickSight dashboards, and a Lex + Bedrock executive chatbot; re-architected it when AWS shipped Batch Inference.
- Closed the full product loop: used the platform's own data to find ~30% of inbound calls were unconfirmed cancellations, then owned discovery, built the frontend self-service cancellation flow, and specced the backend changes — cutting total call volume ~30%.
- Built a Webpack 5 module-federation runtime-override system + custom browser extension for a 60-micro-frontend, 4-team platform where no lower environment matched production — letting any developer test changes against real production data, users, and auth in seconds instead of hours; also built a one-click, dependency-aware deployment tool that prevents human error.
- Root-caused elusive cross-team production bugs by tracing correlation IDs from Amplitude into Dynatrace to the failing service (e.g., hardwired client-ID logic flagged for replacement with a configurable request flag).
- Hardened cross-app authentication (34% fewer auth failures via feature-flag-gated token routing) and drove accessibility, performance, and end-to-end testing across customer flows.

Tech: TypeScript, JavaScript, Java, Python, React, Node.js, Spring, AWS (Bedrock, Lex, Transcribe, Lambda, ECS, EventBridge), Terraform, CloudFormation, PostgreSQL, Redis, Databricks, Datadog, Dynatrace, Amplitude

Full-Stack Software Engineer (Founding)

Jan 2024 – Jun 2024

The Version 2

Contract, Remote

- Founding engineer on a greenfield ad-tech platform, working directly with the CTO, CPO, and COO on technical strategy and product direction.
- Built and owned the reusable component library and design-system foundations from scratch, establishing the frontend patterns and conventions the team built on.

- Implemented the Google DV 360 integration for campaign creation and updates — working through a dense, complex API — and modeled state/synchronization for work-in-progress campaign data.

Tech: TypeScript, React (Remix), Vitest, PostgreSQL, TailwindCSS, Prisma ORM

System Architect / Full-Stack Engineer (Lead)

Jan 2023 – Jan 2024

iCreate.Fashion

Remote

- Sole owner of product, design, and engineering for a digital tech-pack SaaS — interviewed designers, built user personas, mapped features and roadmap, and designed the full UI/UX (no dedicated PM or designer).
- Built 95%+ of the full-stack app from an undocumented proof-of-concept to a documented, maintainable platform — shipping continuously to designers who used it live, and turning their feedback into specs and pixel-perfect mockups for myself and other engineers.
- Designed the entire database and information architecture (re-architected to 3NF; migrated via AWS DMS with zero data loss); automated infrastructure and CI/CD via AWS CDK and remediated cloud security vulnerabilities.

Tech: TypeScript, React (Remix), PostgreSQL, MySQL, AWS (CDK, EC2, ECS, CodePipeline, DMS), TailwindCSS, Prisma ORM, Figma

Full-Stack Software Engineer (Senior)

Jan 2021 – Jan 2023

Liquidware

Remote (W2)

- Sole developer of a greenfield admin dashboard (Angular + TailwindCSS) for an enterprise device-security platform — letting system administrators monitor registered devices and surface behavioral anomalies through drill-down charts that filter into refined views.
- Led the multi-phase migration from a legacy Apache Wicket (Java) monolith to a modern Angular + Spring architecture, collaborating on a distributed backend (Java, Spring, Apache Kafka event streaming, Karaf OSGi / ServiceMix).
- Held the UI/UX quality bar on the product, refining design handoffs to accessibility and design best practices.

Tech: Angular, RxJS, TailwindCSS, Java, Spring, Apache Kafka, Apache Karaf OSGi, MS SQL Server, Figma

Founding Engineer / System Architect

Mar 2019 – Jan 2021

Photology

Contract, Remote

- Sole developer for 1+ year of a SaaS scheduling, fleet, and ordering product — designed the entire database and information architecture and built the client portal, vendor-management platform, and React Native field-worker mobile app, owning the data model, frontend, and UX end-to-end while iterating on real user feedback.
- Drove product planning — roadmaps, sprints, epics, and feature mapping — wearing both architect and product hats.

Tech: TypeScript, React, Node.js, React Native/Expo, PostgreSQL

Full-Stack Software Engineer (Lead)

Jul 2017 – Oct 2018

Daugherty Business Solutions (for The Home Depot)

Onsite (W2)

- Flagged unprompted that a 20-store RFID loss-prevention POC was billing ~\$119K/month, analyzed the billing myself, and cut it ~99% to ~\$1.3K/month (~\$1.4M/year saved) by refining the false-positive flagging algorithm embedded in the on-prem RFID readers to shrink Pub/Sub event volume — while hardening the architecture from POC to production.
- Built a user-facing loss-prevention dashboard surfacing likely-stolen items with timestamps of when each product left its aisle and the store, over a real-time GCP Pub/Sub + DataFlow pipeline.
- Led development of systems integrating RFID asset tracking, video/camera analytics, and facial recognition with front-end applications and in-store hardware.

Tech: Angular, RxJS, GCP (BigQuery, DataStore, AppEngine, Pub/Sub, DataFlow), Java, Spring, RFID, Facial Recognition

Full-Stack Software Engineer (Senior)

May 2016 – Jul 2017

The Home Depot

Onsite (W2)

- Diagnosed and fixed a critical validation/parsing defect in a logistics/shipping batch system that was silently corrupting data — preventing over \$10M/day in losses.
- Lead developer across multiple supply-chain applications on a team of eight; modernized the frontend from AngularJS to Angular for performance and maintainability.

Tech: Angular, jQuery, GCP (AppEngine, BigQuery), Java, Spring Framework, Spring Batch, Oracle SQL

EDUCATION

B.S., Information Science & Technology

Jan 2014 – Aug 2016

University of Wisconsin–Milwaukee