Gordon Lewis

Founding Engineer

San Francisco Bay Area · U.S. Remote

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EXPERIENCE

Full Stack Engineer — Rooster Grin Media, Remote (Apr 2022–Present)

- Owned development of HIPAA-compliant healthcare SaaS applications handling millions of patient records, building the backend systems powering patient communication, scheduling, and lead management across hundreds of dental practices.
- Architected a unified integration layer connecting four third-party healthcare systems into a single platform, eliminating manual data entry and ensuring consistent patient, appointment, and billing records across all vendor systems.
- Introduced AI-powered capabilities into the platform — including natural-language chat for querying patient data and an AI content generation pipeline that reduced website migration timelines from 90 days to under 10 minutes.
- Built a platform-wide monitoring and alerting system that detected data sync failures, messaging delivery issues, and telephony outages in real time, reducing incident response times from hours to minutes.
- Scaled the messaging infrastructure to deliver hundreds of millions of SMS and email communications while building international compliance features that expanded the platform's reach to the UK and Ireland.

Software Engineer — Data & Automation — Classic Parts Pro (CPP), Remote (2024–2025)

- Built an AI-powered data pipeline matching parts to 317,000+ vehicles, using a cascading strategy that tries deterministic matching before falling back to AI — reducing API costs by 60–80% while maintaining match quality.
- Designed relational schemas and normalization systems to structure messy vendor data into performant, queryable formats across make, model, year, and part combinations.

Software Engineer — Rooster Grin Media, Remote (Jul 2021–Apr 2022)

- Supported and enhanced 750+ live websites, delivering features, fixes, and content updates under real production constraints.
- Shipped features across multiple frameworks (Vue, PHP, React) while managing AWS infrastructure (S3, CloudFront, Route 53, CodePipeline) for rapid deployment.

Software Engineer — Advest Marketing, Remote (Jun 2020–Jul 2021)

- Designed and developed custom client websites end-to-end; contributed to an internal MERN-stack application, implementing core UI components in React.

SKILLS

- **AI & Data:** OpenAI API, Claude API, LLM integration, RAG pipelines, data labeling, structured output
- **Data Engineering:** PostgreSQL, SQL, data normalization, schema design, CSV pipelines, web scraping
- **Backend:** Python, FastAPI, Ruby on Rails, REST APIs
- **Frontend:** React, Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS, HTML, CSS/Sass
- **Infrastructure:** AWS (EC2, RDS, S3, SES, SNS, CloudWatch, Lambda, CloudFront, Route 53, CodePipeline), Docker
- **Practices:** Greenfield architecture, healthcare compliance (HIPAA), production debugging, performance tuning

EDUCATION

B.A. in Practice of Art (Digital Fabrication), University of California, Berkeley.

Certificate in User Experience Design, General Assembly.