

# Gordon Lewis

Forward Deployed Engineer

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## EXPERIENCE

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

- 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.
- Reduced website migration timelines from 90 days to under 10 minutes by building an AI-powered content generation platform that automatically produces website copy, assigns images, and provisions hosting infrastructure — serving 750+ clients.
- Developed a complete telephony integration from scratch — scoping requirements across 100+ multi-location client organizations, designing the architecture, and deploying real-time call tracking, voicemail detection, and automated call routing.
- Introduced AI-powered chat capabilities into the platform, giving customer staff instant access to patient and appointment data through natural-language queries.
- 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.
- Built a platform-wide monitoring and alerting system that detected telephony outages, messaging delivery failures, and data sync issues in real time, reducing incident response times from hours to minutes.
- Independently designed and built a full-stack CRM (Rails + React) for client management from scratch — owning architecture, backend, and frontend end-to-end as the sole engineer on the project.
- Designed an automated patient communication system — missed call text-back, business hours scheduling, no-show follow-ups, and recall reminders — reducing manual staff workload and improving patient re-engagement.

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

- Built an AI-powered data pipeline matching parts to 317,000+ vehicles, reducing API costs by 60–80% through a cascading strategy that tries deterministic matching before falling back to AI.
- Designed relational schemas to support performant fitment queries 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

- **Integration & Systems:** REST APIs, PostgreSQL, SQL, Ruby on Rails, Python, FastAPI
- **AI & Automation:** OpenAI API, Claude API, LLM integration, prompt engineering, workflow automation
- **Frontend:** React, Next.js, JavaScript (ES6+), TypeScript, Vue.js, Tailwind CSS, HTML, CSS/Sass
- **Infrastructure:** AWS (EC2, RDS, S3, SES, SNS, CloudWatch, Lambda, CloudFront, Route 53, CodePipeline)
- **Data:** CSV pipelines, scraping, normalization, schema design
- **Practices:** Enterprise integrations, process discovery, production debugging, performance tuning

## EDUCATION

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

**Certificate in User Experience Design**, General Assembly.