Justin Moran

Chicago, IL ● justpmoran@gmail.com ● (847) 714-4721 ● justinpmoran.com/fde ● github.com/justinpmoran ● linkedin.com/in/justinpmoran

SUMMARY

Software engineer and Computer Science graduate who works in a forward deployed style: sitting with end users to understand the workflow, scoping the problem, and shipping production software that plugs into the systems they already run. Ran discovery with 229+ clinicians and deployed a HIPAA compliant platform to 200+ clinics, integrated underwriting apps with policy, claims, and billing systems at a commercial insurer, and builds LLM powered workflows with the OpenAI API and Claude. Full stack in Python, TypeScript, React, and SQL on AWS, and comfortable owning the full loop from first customer call to deployment, documentation, and handoff.

EXPERIENCE

Pippa LLC (Healthtech Startup) **Chicago, IL**
Forward Deployed Engineer Intern *May 2026 - August 2026*

- Ran discovery with 229+ clinicians, translating clinical workflows into a prioritized Jira backlog and shipping a HIPAA compliant two-sided platform to 200+ outpatient clinics and 10K+ daily active users in two-week sprints
- Built the clinician dashboard in React and TypeScript around how clinic staff actually worked, covering patient rosters, consent flows, care plans, clinical notes, secure messaging, and reporting on intake, meal timing, and biometrics
- Integrated a custom computer vision model that estimates calories from meal photos with an OpenAI LLM chat companion, delivered in a patient app built with Flutter, Kotlin, and React Native
- Designed AWS DynamoDB data models and automated daily check-in jobs that keep patient logs and the clinic dashboard in sync in real time, with a CI/CD pipeline and unit and integration test suites gating every release
- Wrote the product and process documentation that let clinic staff onboard without engineering support, and presented progress and performance updates to founders, clinical partners, and stakeholders

W.R. Berkley Corporation **Urbandale, Iowa**
Software Engineer Intern *May 2025 - August 2025*

- Saved 4,500+ hours annually (84+ per week) by shadowing underwriting staff, mapping the manual data entry and rekeying they did between systems, and replacing it with automated data pipelines that also removed transcription errors
- Integrated internal microservices with policy, claims, and billing systems over REST and GraphQL, so the underwriting applications served the same data the core systems held
- Engineered features and debugged critical production issues across the TypeScript front end, GraphQL APIs, and SQL data layer of web applications used daily by internal underwriting staff
- Shipped through Jenkins CI/CD pipelines built on Docker and Kubernetes, coordinating releases with QA and DevOps in Agile sprints and reviewing teammates' pull requests in Git

Iowa State Dept. of Computer Science, SwAPP Lab **Ames, Iowa**
Research Intern *May 2024 - August 2024*

- Built deep learning models in Python for bidirectional translation between PyTorch and JAX, using GPT-3.5 and BERT for automated compatibility testing so researchers could port models across frameworks without rewrites

Electroid **Remote**
Content Operations Manager *May 2024 - Present*

- Built and operate an automated, AI-assisted pipeline that carries content for two YouTube channels from generation through scheduled publishing, running in production as the channels grew to 130K subscribers and 46M+ views

CLIENT & DEPLOYMENT PROJECTS

Neighborhood Finance Corporation (nfc.how): Nonprofit Client *JavaScript, GitHub Actions, Leaflet*

- Led a 4-person team embedded with a nonprofit client, gathering requirements from non-technical staff and automating the maps that determine loan program eligibility, saving the client $100,000+ annually
- Built the deployment automation on GitHub Actions and wrote handoff documentation so the client maintains it independently

HerdRight (herdright.com): Online Marketplace *React, Node.js, Express, MySQL, Stripe*

- Led a team of 5 to launch a two-sided marketplace connecting 30K+ buyers and sellers, integrating the Stripe API for payments and webhooks and scheduling cron jobs that refresh marketplace pricing data every 4 hours

AutoPost: Multi-Platform Publishing System *Built In-House*

- Built a publishing system that pushes to 10 networks (Instagram, TikTok, X, LinkedIn, YouTube, Threads, Reddit, and more) from one calendar, auto-formatting each post per platform and logging per-post analytics for reporting

VerifyAI *Python, LLM APIs*

- Led a 4-person team to 1st place in the Technical Track of 28 teams, scoping, building, and demoing a working AI product to judges under a fixed deadline

TECHNICAL SKILLS

- **Languages:** Python, TypeScript, JavaScript, SQL, Java, Kotlin, GraphQL, Dart, HTML, CSS
- **AI & LLMs:** OpenAI API, Claude, LLM and GenAI integration, prompt engineering, AI-assisted workflow automation, computer vision, PyTorch, JAX, BERT, Claude Code, Cursor
- **Integrations & Backend:** REST APIs, GraphQL, webhooks, WebSockets, Stripe API, microservices, ETL and data pipelines, Node.js, Express, Spring Boot, cron and scheduled jobs
- **Frontend & Mobile:** React, React Native, Expo, Flutter, Tailwind
- **Cloud, Data & DevOps:** AWS (DynamoDB), Docker, Kubernetes, Jenkins, GitHub Actions, CI/CD, Git, Linux, MySQL, MongoDB, RDBMS and NoSQL data modeling, unit and integration testing
- **Customer Facing:** Requirements discovery, user shadowing and workflow mapping, stakeholder management, technical demos and presentations, technical documentation, user onboarding, HIPAA compliant delivery, Agile/Scrum, Jira

EDUCATION

Iowa State University, Ames, Iowa ● *Bachelor of Science in Computer Science, Minor in Psychology* *May 2026*