

# Henry Moore

FULL-STACK SOFTWARE ENGINEER | [henrymoore.us](https://henrymoore.us)

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## EXPERIENCE

### Software Engineer – Platform Integrations

October 2022 – February 2025

#### *Notable Health – High-Growth Series B Healthcare Startup*

- Boosted critical job hot path performance by 500%, cutting compute costs by ~\$240k/year.
- Deployed bots on Kubernetes incorporating GCP, Docker, Python, proprietary ML models, RPA, and customer FHIR API integrations to provide cutting-edge workflow automation, eliminating thousands of hours of manual data entry for patients and clinical staff per month, saving ~\$395k per year.
- Discovered and implemented critical security improvements to maintain HIPAA compliance.
- Designed and launched a modular, multi-tenant report generation service (Python/S3).
- Led end-to-end product releases – partnering with customers to define requirements and rapidly iterate based on feedback.
- Awarded "Rising Star" recognition for rapid product impact.
- Resolved incidents in on-call rotations and built new alerts for faster incident detection.

### Full-Stack Web Developer

August 2018 — February 2019, September 2019 – April 2021

#### *California Department of Conservation*

- Modernized internal reporting workflows by engineering the MOARS web app in C# / ASP.NET Core, integrating PDF report and email modules to eliminate a legacy physical mail system.
- Reverse-engineered undocumented DocuSign APIs to automate template generation, streamline onboarding, and save ~\$20k.
- Automated deployment with CI/CD pipelines (Azure DevOps), increasing speed by 40% and improving reliability.

## SKILLS

<b>Languages</b>	Python, Go, Rust, TypeScript (Node.js), JavaScript, C#
<b>Web/Backend</b>	FastAPI, React, Next.js, ASP.NET Core, Express
<b>Infrastructure</b>	Docker, Kubernetes, Terraform, Linux, AWS, Azure, GCP, GitHub Actions, CI/CD
<b>Databases</b>	PostgreSQL, MongoDB, Redis
<b>Other</b>	Machine Learning (ML), Large Language Models (LLMs), HIPAA, FHIR APIs

## PROJECTS

### LLM Chinese Flashcard Generator (Python, OpenAI API)

- **Built an AI-powered tool** to generate domain-specific Mandarin flashcards for technical learners.

### Custom Wikipedia Search Engine (Python, MongoDB, Java, Docker)

- **Scraped and indexed Wikipedia** for fuzzy search via web UI and REST API endpoints.

### **Linux Server Homelab** (Docker, Kubernetes, Terraform, Nix)

- **Built and maintained** local and cloud infrastructure for containerized services.

## EDUCATION

### University of California, Riverside

Graduated July 2022

*Bachelor of Science in Computer Science (GPA: 3.71)*

*Riverside, California*

- Chancellor's Honors List (Spring 2022), Dean's Honors List (5+ terms).
- Relevant coursework: Machine Learning, Optimization, Databases.
- Capstone: 2D Unity roguelike with procedural chunk loading for low-spec devices.