

PATRICK GO

SOFTWARE ENGINEER (BACKEND & AI)

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SUMMARY

Software Engineer with 2+ years specializing in AI integration, backend systems, and cloud solutions across AWS and Azure platforms. Experienced in fine-tuning and deploying AI models for healthcare applications, developing scalable APIs, architecting serverless cloud solutions, and ensuring HIPAA/HITRUST compliance across all systems.

EXPERIENCE

Software Engineer | U.S. Hunger

Jan 2024 - Present

- Fine-Tuning OpenAI models to automate risk assessment and medical code prescription for 350,000+ applicants, saving 87,500+ labor hours and enabling entry into the medical services market—now representing 30% of company revenue
- Served as lead technical engineer for a 6-month technical partnership program, managing an AI team to architect a foundational model evaluation pipeline—systematically scoring 7 models across 20+ metrics and achieving 26% accuracy improvement
- Develop and deploy end-to-end AWS cloud solutions to automate PII/PHI redaction across customer support cases, protecting HIPAA certifications and mitigating potential violation fines up to \$50,000 per incident
- Empowering other devs on the team through leadership by mentoring junior engineers, running agile development meetings, and giving guidance for use of AI-assisted coding tools
- Build, deploy, and maintain USH's enterprise MDM system infrastructure (JAMF Pro) as the sole administrator, hardening 40+ macOS/iOS devices and increasing CIS Level 1 security compliance baseline by 68% to meet HIPAA/HITRUST certification requirements

Operations Lead | U.S. Hunger

Mar 2016 - Dec 2023

- Developed a predictive shipping calculator using historical data to forecast costs for upcoming shipments, forecasting \$100,000+ in annual shipping expenses
- Managed warehouse team in coordinating shipment preparation for hunger packing events nationwide, maintaining 99% accuracy rate

SKILLS

- | | | | |
|--|----------|-------|----------|
| • C# / .NET | • Python | • SQL | • Docker |
| • AI - Fine Tuning & RAG | • Azure | • Git | • Java |
| • AWS - Lambda, EC2, S3, Bedrock, SageMaker, Comprehend, Textract, Cloud Formation, Kubernetes, CloudFormation, Step Functions | | | |

EDUCATION & CERTIFICATIONS

Seminole State College

- Associate of Arts

AWS Certifications

- Cloud Practitioner
- AI Practitioner

Bootcamps & Certifications

- AI for Changemakers
- Rest WCF Services .NET