

William Heeb

Full-Stack Software Engineer

SUMMARY

Eight years shipping production software—from debugging Sears' internal apps to building the first blockchain system for DoD healthcare. I built an AI tutor to help myself pass Security+, then open-sourced it. I love learning new frameworks. I like hard problems: multi-chain wallet indexing, RAG pipelines, smart contracts that don't blow up.

EXPERIENCE

Chenega Corporation — Software Engineer

Seattle, WA (Hybrid) • November 2025 - Present

- Ship DoD Health IT features on Hyperledger Iroha—first government blockchain deployment in production
- Built NestJS SDK adopted by 4 DoD teams; reduced boilerplate setup from 2 days to 3 hours
- Review ~15 PRs/week; caught 3 critical auth bugs before production in first month
- Configured end-to-end TLS, VPN tunnels, and WAF rules per CompTIA Security+ standards

Semper Valens Solutions — Software Engineer

Seattle, WA (Hybrid) • April 2025 - July 2025

- Similar DoD role—contract vehicle changed to Chenega Corporation

Anything_AI — Lead Software Engineer

Remote • February 2024 - July 2025

- Wrote MCP framework from scratch: 4 language SDKs (C#, Python, JS, Java), 12 tool integrations
- Built input sanitization layer that dropped hallucination rate from 23% to 4% in production
- Shipped OAuth2 wrapper cutting third-party API integration from 2 days to 45 minutes
- Implemented RAG pipeline with Pinecone + custom chunking; retrieval latency under 200ms

EAS (Experience as a Service) — Software Engineer

Seattle, WA • March 2021 - April 2025

- Led Command Center: real-time wallet indexer across 12 chains (Ethereum, Polygon, Arbitrum, etc.)
- Architected CoinCreate dApp; wrote Solidity contracts, integrated MetaMask + WalletConnect

CONTACT

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[Portfolio](#)

SKILLS

Languages

JavaScript/TypeScript
Python • C# • Rust • Go
Solidity • SQL

Frontend

React • Next.js • Redux
Tailwind • Framer Motion
GraphQL • Apollo

Backend

Node.js • Express • NestJS
Django • .NET
PostgreSQL • MongoDB

Web3 & AI

Smart Contracts • DeFi
LLM/RAG • MCP Framework
Hyperledger Iroha

Certifications

CompTIA Security+

Tools

Docker • GitHub Actions
Prisma • Drizzle ORM

References available on request

- Added Redis caching + lazy loading; cut AWS bill 75% (\$3,200/mo to \$800/mo)
- Built admin dashboard with Stripe integration; clients update pricing without dev tickets

Sears Home Service — Tech Manager & AI Trainer

Silverdale, WA • February 2016 - April 2025

- Deployed AI routing system to 3,000 field techs; tested weekly updates, filed 40+ bug reports
- Turned \$20k quarterly loss into \$100k profit; ranked top 5 of 200+ teams nationwide
- Debugged internal ticketing apps and wrote SQL queries to fix data sync issues

PROJECTS

Learning Tutor — [live demo](#)

- Adaptive learning app I built to pass Security+; generates study plans from GPT-4 API

React, Next.js, TypeScript, OpenAI API, Vercel

Appliance Consult

- Digitized 9 years of repair diagnostics into searchable knowledge base with Stripe checkout

Next.js, Rust backend, MongoDB, Prisma, Stripe

CFT Market Pools

- DeFi pool tracker with local RPC indexing; all tx verifiable on-chain

Solidity, Rust, React, Framer Motion, Alchemy RPC

EDUCATION

Olympic College • Computer Science coursework

South Kitsap High School • 1999-2001