

William Heeb

Full-Stack Software Engineer | 8 Years | Security+ Certified

EXPERIENCE

Software Engineer | Chenega Corporation

Seattle, WA (Hybrid) • Nov 2025 - Present

- Ship DoD Health IT features on Hyperledger Iroha, first government blockchain in production
- Built NestJS SDK adopted by 4 DoD teams; reduced boilerplate from 2 days to 3 hours
- Maintain health.mil & Tricare sites: bug fixes and features in JS, C#, Sitecore CMS
- Configured end-to-end TLS, VPN tunnels, and WAF rules per Security+ standards

Software Engineer | Semper Valens Solutions

Seattle, WA (Hybrid) • Apr - Jul 2025

- Same DoD Health IT role; contract vehicle changed to Chenega Corporation

Lead Software Engineer | Anything_AI

Remote • Feb 2024 - Jul 2025

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

Software Engineer | EAS (Experience as a Service)

Seattle, WA • Mar 2021 - Apr 2025

- Built responsive web apps with semantic HTML/CSS/JS; accessibility & cross-browser focus
- Automated rendering tests, reduced asset footprint 75%; ran agile SCRUM sprints
- Developed self-service admin dashboard for client pricing and service updates

Tech Manager & AI Trainer | Sears Home Service

Silverdale, WA • Feb 2016 - Apr 2025

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

Founder & Lead Developer | GymTech

Remote • 2024 - Present

- Built multi-tenant SaaS for martial arts and fitness gyms competing with SparkMembership
- Integrated Stripe Connect for platform billing and gym payment processing (\$79-\$299/mo tiers)
- Architected role-based access, class scheduling, QR check-in, and real-time analytics dashboards

Founder & Developer | Appliance Consult

Remote • 2023 - Present

- Digitized 9 years of repair diagnostics into AI-powered searchable knowledge base with Stripe checkout
- Built full-stack platform: Next.js frontend, Rust backend, MongoDB with Prisma ORM

Developer | Learning Tutor

Remote • 2024

- Shipped adaptive learning platform that generates personalized study plans via GPT-4 API
- Built to pass Security+ certification; open-sourced after passing

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

EDUCATION

Olympic College
CS coursework

South Kitsap HS
1999 - 2001

REFERENCES

Available on request