Michael Harrington

719-505-0542 | mdharr7@gmail.com | linkedin.com/in/mdharr | github.com/mdharr | mdharrington.com

Software Engineer | Chinese Linguist | U.S. Navy Veteran

SUMMARY

Software Engineer and U.S. Navy Cryptologic Language Analyst with expertise in Java, Spring Boot, Microservices, SQL, REST APIs, AWS, and CI/CD pipelines. Six years of SIGINT and senior-level Chinese Mandarin analysis at the TS/SCI level, paired with nearly eight years of in-country experience in China. Combination of software engineering expertise, advanced linguistics, and intelligence analysis, offering a versatile foundation for both linguist and software developer roles.

EXPERIENCE

Java Backend Developer   May 2025 – Present
Revature   *Remote*
  - Wrote and optimized SQL queries, resulting in 25% faster data retrieval for key application components
  - Implemented features using Test-Driven Development (TDD), ensuring reliable and maintainable code
  - Managed the deployment of full-stack web applications to AWS while maintaining 99.9% uptime
  - Partnered with teams to build RESTful APIs, transforming user stories into tangible application features
  - Adhered to Agile methodologies to release code in one-week sprints, accelerating project delivery

English Language Teacher   Apr 2018 – Apr 2025
Devon English   *Hunan, China*
  - Delivered online and in-person instruction to hundreds of Chinese students, improving language proficiency
  - Created custom learning materials, leading to higher student engagement and language acquisition

Cryptologic Language Analyst   Nov 2007 – Nov 2013
United States Navy   *Oahu, HI*
  - Transcribed Chinese language-data to produce time-sensitive intelligence reports for senior leadership
  - Translated multiple lengthy documents (50+ pages) from the target language into English for reporting
  - Trained dozens of junior analysts, improving their proficiency in intelligence analysis and reporting
  - Provided intelligence analysis using top-level government processing equipment, adhering to tight deadlines
  - Operated advanced computer systems to process and analyze terabytes of signals intelligence (SIGINT)

EDUCATION

Skill Distillery   Denver, CO
Java Full-Stack Developer Certificate   *Oct 2022 – Feb 2023*
University of Phoenix   Arlington, VA
Bachelor of Science in Business   *Mar 2015 – Mar 2018*
Defense Language Institute   Monterey, CA
Chinese-Mandarin Language Diploma   *Jan 2008 – Jun 2009*

QUALIFICATIONS

Security Clearance: TS/SCI-SSBI with Polygraph — previously adjudicated, eligible for reactivation
Primary Language: Chinese Mandarin, Senior-Level proficiency
DLPT Scores: Mandarin 3/3; Cantonese 1+/3
Relevant Experience: 6 years of professional language support, including translation and transcription
In-Country Experience: Nearly 8 years spent living in China, offering cultural and regional expertise

TECHNICAL PROJECTS

Ticketing System | Spring Boot, Spring Cloud, Docker, Kafka, MySQL, API Gateway, Microservices
  - Developed and deployed a microservices-based ticketing system for handling high-volume event bookings
  - Implemented asynchronous messaging with Kafka and Docker to ensure scalability and fault tolerance
  - Integrated Keycloak for centralized authentication and role-based access control, strengthening security

Howard Treasury | Spring Boot, Angular, Spring Security, JWT, MySQL, OpenAI
  - Designed and implemented a full-stack platform with OpenAI API integration for interactive storytelling
  - Built RESTful APIs and real-time chat functionality with WebSocket, improving user engagement

E-Commerce | Spring Boot, Angular, Stripe, JSON Web Token (JWT), MySQL
  - Integrated Stripe API for secure credit card payment processing within a scalable Spring Boot backend
  - Utilized Spring Security and JWT for token-based authentication, safeguarding user data and APIs

Artifacts Online | Spring Boot, Angular, Spring Security, JWT, MySQL, GitHub Actions
  - Deployed to Azure using a CI/CD pipeline with GitHub Actions, automating build and testing processes
  - Applied API-first design and TDD, reducing bugs by 15% and improving code maintainability

URL Shortener | Spring Boot, Thymeleaf, MySQL, Rate Limiter, Redis, Docker, GitHub Actions
  - Leveraged Redis for caching, enabling sub-millisecond retrieval of frequently accessed URLs
  - Automated CI/CD pipeline with GitHub Actions for continuous testing, integration, and deployment
  - Implemented IP-based rate limiting on endpoints to prevent abuse and ensure fair usage

TECHNICAL SKILLS

Languages & Frameworks: Java, JavaScript, TypeScript, SQL, Spring, Angular, React
Web & Data: RESTful APIs, WebSocket, Spring Data JPA, Hibernate, MySQL, PostgreSQL, Kafka, Redis
DevOps & Cloud: AWS, EC2, S3, Docker, CI/CD, Zookeeper, Kubernetes, Cloud-native
Tools & Testing: Git, Maven, Gradle, GitHub Actions, GitLab, JUnit, Mockito, Unit Testing
Architecture & Methodologies: Microservices, MVC, ACID, SOLID, Agile, TDD, OOP, Design Patterns