

Marvin Tutt

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PROFESSIONAL SUMMARY

- **Current-** software developer at Caia Tech
- Maintainer and creator of <https://github.com/Caia-Tech/caia-ai-cli>, a coding AI Agent.
- I build scalable, containerized microservice systems
- I use several languages, primarily Go on the backend and Javascript for front end. I use other languages like Python, Java etc when necessary
- **2+ years** of professional experience as a developer with solid understanding of web based multi-tier enterprise application and **Devops** using **CI/CD** and **Cloud** technologies.
- **4+ years** as a hobbyist programmer.
- **Software showcase:**caiatech.com , ai.caiatech.com , disarm.dev
- Experienced in **pubsub** messaging using **Apache Pulsar**
- **Cloudflare Administrator**
- Extensively worked on **Core Java** with **Multithreading**, **Concurrency**, **Generics**, **Serialization**, **Datastructures** and **Collections**.
- Hands on experience in **Spring Core**, **Spring MVC**, **Spring Security**, **Spring Transaction** and spring's integration with **Hibernate**.
- Used **SpringCore** Annotations for **Dependency Injection** and **Spring MVC**, **Spring Boot** for **REST API's**.
- Strong development experience in JEE technologies like **JSP**, **Servlets**, and **JDBC**.
- Extensive experience in creation and maintenance of **Hibernate** mapping files and transaction control.
- Good hands on experience with developing and consuming **SOAP** and **RESTful** Web Services.
- Experience in **HTML5**, **CSS3**, **JavaScript**, **JSON**, **ReactJS**, **Bootstrap**.
Good knowledge of Object-Oriented Programming and Design skills.
- Experience in **AGILE/SCRUM** and **Software Development Life Cycle (SDLC)** based development environment and participating in **SCRUM** sessions that includes Analyzing, Designing, Coding, Testing, Implementation & Production

TECHNICAL SKILLS:

Programming Languages	Java, C/C++, Go, Javascript
Java Technologies	JDBC, Servlets, JSP, GraalVM, Jakarta
IDE	Eclipse, VS Code, JetBrains
Frameworks	Quarkus, Spring Boot, React
Design Patterns	Singleton, Factory, MVC, Prototype, DAO, Abstract Factory
Application Servers	JBoss 5.0.0
Web Servers	Apache Tomcat 9.0, NGINX, Caddy
Web Services	SOAP (WSDL), REST(JAX-RS)
Deployment Tools	Maven, Gradle
Services	Docker, Kubernetes, Keycloak, Gitlab, Proxmox, Apache Pulsar
Database	MongoDB, MySQL/MariaDB, Postgres,

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PROFESSIONAL EXPERIENCE:

Webhead Tech
San Antonio TX, USA

Jan 2023 to Mar 2024

Project: National-Geospatial Intelligence Agency Java-Spring developer
Team: Mission Manager Service (MMS)

Description: Backend developer representing Webhead Tech on a Defense Contract for the NGA. The Project involved collaborating with other teams to design a modernized microservice system to replace their monolithic legacy system. Built from the ground up, teams worked together to plan and design a suite of services that communicate primarily through a pubsub message broker using Apache Pulsar and REST api. Our team (MMS) was responsible for creating a web application and managing a database that allow subject matter experts at the NGA to manage “missions”. As the sole backend developer, I was responsible for integrating with other teams through REST and Asynchronous messaging. I was also responsible for designing APIs and ensuring that all of my services get successfully deployed through our custom CI/CD pipeline.

Responsibilities:

- Monitor OpenShift and Gitlab Pipelines
- Demos for our client every 3 weeks, bi-weekly during some periods.
- Write CI/CD shell scripts
- Create Jira tickets and collaborate with my team on project design
- Integrate backend services with other teams to enforce logging, schema validation, rule and policy execution, form submission and more
- Develop backend software that manually processes string messages

Environment: RHEL/OpenShift, Java, Spring Boot, Quarkus, Python, ReactJS, Microsoft.NET, PostgresDB, MySQL, Microservices, Agile