Zachariah Jett – Software Developer

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Historian-turned-software developer passionate about deconstructing algorithms and applying them as creative solutions to new challenges. Practical fintech experience developing a Java-based financial trade message routing system utilizing Enterprise Integration Patterns, an embedded SQL database, including comprehensive test coverage. As a Unity3D game intern, after less than four months of learning an under-documented C# codebase, spearheaded the design of multiple game features and mechanics. Eager to contribute to NAGA's innovative team, tackle real-world challenges, and grow alongside industry veterans.

Skill Set

Disciplines	Object-Oriented Programming, Testing, Agile/Sprint Planning, Web-Development, Data Transformation
Languages	C#, Java, JavaScript, HTML, CSS, Python, C, Bash Scripting, PowerShell Scripting
Environments	Linux, Windows, .NET, Visual Studio, VSCode, IntelliJ, GCP, Oracle VM VirtualBox, Compiler Explorer
Tools	Git, Spring Boot, Maven, Apache Camel, H2 SQL, JPA, Hibernate, JUnit5, Saxon XSLT, Jackson XML/JSON

Professional Background

Game Designer & Programmer – The Goodship Friendship   **Jan. 2025** to **Present**
Steam: 🔗Game Demo

Developed core mechanics and designed new content for a Unity3D game, quickly mastering an under-documented C# codebase and the Unity engine with limited prior experience. Independently designed, implemented, and tested complex features and systems: leading a complete overhaul of the game's health/damage balance. Utilized Agile (Kanban) and Git for collaborative development, proactively shaping project planning to define design/content scope and determine achievable deadlines.

Graduate Assistant – Wright State University   **2018** to **2019**
Managed course materials, organized and graded assessments, and provided support and advice to students. Dynamically collaborated with faculty and staff to uphold educational standards and provide leadership to students during a faculty strike.

Projects

Personal Resume Generator – GitHub: 🔗Resume Generator   **Ongoing**
Created an automated resume generator using Jekyll and Liquid to create tailored, job-specific resumes. This tool leverages an orchestrating Bash script with unique applications of Jekyll's systems pushing Jekyll far beyond its normal function. It intelligently detects and integrates resume-specific HTML, CSS, and data into the default configuration. Content is fully configurable from a single source, permitting dynamic inclusion, exclusion, or reordering of elements.

Financial Trade Message Router – GitHub: 🔗Trade Message Router   **Jan. 2024**
Engineered a robust and scalable financial trade routing system for a practical development exercise designed by a senior fin-tech developer. Implemented using a Java (Spring Boot) tech-stack, utilizing Apache Camel enterprise integration patterns, XSLT for XML transformation, and JPA/Hibernate with an embedded H2 database. Exceeded project guidelines by designing a modular, adaptable system using JSON-based configuration, enabling dynamic alteration of message processing pipelines. Proactively optimized memory usage of loading large configuration file with Jackson JSON's selective deserialization. Ensured system integrity with comprehensive JUnit test coverage, including full database entry validation.

Web Projects: 🔗Calculator; 🔗Etch-a-Sketch; 🔗Rock Paper Scissors Game | **Python Projects:** 🔗Budgeting Tool

Certifications & Courses

Preparing for Google Cloud Certification: Cloud Engineer – 🔗Coursera (Google)   **Dec. 2021**
Application Deployment, Cloud Infrastructure & Storage, Docker, Infrastructure as Code, Kubernetes, Load Balancing, VMs

Scientific Computing with Python – 🔗freeCodeCamp   **Oct. 2021**
Data Structures, Data Visualization, File I/O, OOP, RegEx, Relational Database Design, SQLite, Web Services (APIs, JSON)

Google IT Automation with Python – 🔗Coursera (Google Cloud)   **Jul. 2021**
Configuration Management, CICD/DevOps, Puppet, RESTful APIs, Test Driven Development, Troubleshooting/Debugging

Education

Master of Arts – History   **Dec. 2020**
Wright State University – Fairborn, OH
Outstanding Graduate Student – 2021, Presented research papers at two academic conferences, 🔗Master's Thesis

Community Service & Awards

Trustee – Swedish Foundation, Inc. – Seattle, WA   **2014** to **Present**
Guided and approved key financial/outreach decisions for a century-old non-profit aiding families with school supplies and essential needs. Analyzed challenges and contributed to board decisions defining the charity's future.

William T. Hornaday Award, Silver Badge – Boy Scouts of America   **2011**
Recognized for significant contributions to environmental conservation: designed and directed a successful initiative to protect salmon spawning habitat. Managed all phases, from resource management to leading a 10+ person team to execute the project.

Eagle Scout – Boy Scouts of America   **2011**
Managed complete design, construction, and installation of a children's play area awning, directing a team of 12+ youth.