

Nick Waggoner

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Experience

Oracle Health – Production Software Developer (IC2) Dec 2023 – Present

- Performed system-level debugging across cloud-deployed, regulated healthcare platforms, diagnosing failures using Linux internals, SQL analysis, network packet inspection (TCP/SIP), and source-level debugging.
- Developed and maintained Python-based automation tools for log parsing, data extraction, and failure pattern analysis to accelerate incident response and reduce recurrence.
- Investigated production defects spanning software, configuration, and infrastructure boundaries, collaborating closely with development and operations teams to drive durable fixes.
- Authored and improved technical documentation, validation procedures, and runbooks, reducing a 90+ day incident backlog by ~90% and improving time-to-resolution by ~20%.

Radiometrics Corporation - Junior Software Engineer; May 2022 – Nov 2022

- Supported full-stack web application for near real-time radiometer meteorological data suite using Golang/Go (code) and Typescript. Stack included Docker, RabbitMQ, and PostgreSQL (GraphQL) components

Projects

Python Data-Parsing Automation Scripting (Oracle Health)

- Designed Python tooling to automate validation of large-scale system outputs, parsing 500+ page reports to verify correctness of ADT (admission/discharge/transfer) event handling.
- Built an always-on device log analysis tool to detect hardware and power degradation trends, summarizing system health over extended observation periods.

Personal Portfolio Next.js Website with Tailwind CSS and CI/CD with Vercel – www.nswagg.com

Godot Application Development – Event-Driven scripting, prototyping, and iterative development

Technical Skills

- **Programming & Scripting Languages:** Python, C/C++, Go, SQL Server, Linux/UNIX, JavaScript/TypeScript
- **Systems Debugging:** packet analysis (Wireshark), log-based fault isolation, reproducible test scenarios
- **Frameworks & Tools:** Git + GitHub, React.js, Docker,
- **Cloud & AI:** Oracle Cloud Infrastructure (OCI) Certified Foundations Associate, OCI Generative AI Certified Professional
- **Development Practices:** Agile/Scrum, Software Development Lifecycle (SDLC), CI/CD pipelines, Test-Driven Development (TDD), Object-Oriented Programming (OOP), REST APIs, Automated Testing, Data Visualization

Education

Certifications

[*Oracle Cloud Infrastructure 2024 Generative AI Certified Professional - Dec 2024*](#)

[*Oracle Cloud Infrastructure 2024 Certified Foundations Associate - Aug 2024*](#)

Bachelor of Innovation; Computer Science - University of Colorado Colorado Springs, 2022