Ricardo O. Rios
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LinkedIn | GitHub | GitLab

Professional Summary

Detail-oriented Computer Science graduate with a strong foundation in full-stack development, distributed systems, and cloud-based application design. Experienced in building scalable, testable services with Java, Python, C#, and SQL. Passionate about designing intelligent, high-availability solutions using microservice architecture and working collaboratively in Agile environments.

Technical Skills

Languages: Java, Python, SQL, C++, JavaScript, C# (in progress)
Cloud & Platform Tools: Microsoft Azure (in progress), AWS (basic), Docker, Kubernetes (learning)
Frameworks & Dev Tools: REST APIs, Git, Visual Studio, VS Code, Service Fabric (familiar), Power Platform (studying), CircleCI, Jira, Confluence
Concepts: Microservices, Agile/Scrum, Test-Driven Development, Debugging, Live Site Troubleshooting, Distributed Systems

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Certifications

- Linux Essentials (LE-1)
- ITIL 4 Foundation (IT Service Management)
- Java Developer Micro-Credential
- Artificial Intelligence Optimization Developer Micro-Credential

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Education

Bachelor of Science in Computer Science (Expected June 2025)
Western Governors University – Salt Lake City, UT
GPA: 3.0
Relevant Coursework: Software Engineering, Cloud Infrastructure, Distributed Systems, Cybersecurity, Object-Oriented Programming, Data Analytics
Key Projects:

- Health Index Predictor – Used Pandas and Scikit-Learn on large datasets to train and optimize models that predict health risk scores based on environmental factors.
- Bird Migration Predictor – Built a Random Forest Regressor with feature engineering to identify key success factors for bird migration across regions.
- Inventory Management Platform – Designed and deployed a scalable Java Spring app with MySQL, simulating inventory tracking and optimizing scheduling logic.
- Traveling Salesperson Problem Solver – Developed a CLI in Python to solve route optimization problems using both greedy and dynamic programming approaches.

Master of Arts in Theology – Biblical Languages (May 2017)
Fuller Theological Seminary – Pasadena, CA
Demonstrated excellence in academic research, logic-driven analysis, and structured writing across complex technical content.

Bachelor of Arts in Philosophy (May 2013)
Northwest University – Kirkland, WA
Graduated Summa Cum Laude. Led student discussion groups and contributed to academic strategy initiatives.

Professional Experience
Sales & Services Clerk
United States Postal Service – Marysville, WA
May 2016 – Nov 2023

- Led software adoption and training for web-based and hardware-integrated systems; identified and resolved recurring technical issues.
- Collaborated across teams to improve system workflows, track scheduling performance, and implement local compliance protocols.
- Prioritized incident resolution and live problem-solving for customer-impacting issues in high-volume settings.
- Supported deployment of updated service systems with minimal user disruption and high training satisfaction.

Leadership, Activities, and Involvement

- Participated in cloud application workshops and Microsoft Azure fundamentals study groups.
- Created peer-reviewed documentation guides for group projects.

Projects (GitHub/GitLab Linked)
Advanced Java Application – GitLab
Java Spring app built with front-end Angular and Docker deployment.

Python TSP Solver – GitHub
Command-line tool to solve the Traveling Salesperson Problem with route optimization.

Back-End Booking System – GitLab
Designed RESTful APIs and database architecture using UML and SQL.

Personal Portfolio Vue.js app – https://gleeful-vacherin-55ae3f.netlify.app/#/
Personal portfolio of projects offering a downloadable resume designed in vue.js

Health Index Prediction Using Weather and Pollution Data – GitLab
Using Pandas and trained Random Forest/Gradient Boosted Tree models to identify key predictors of a health score index through feature selection and hyperparameter tuning.

Bird Migration Outcome Prediction – GitLab
Using Pandas and trained a Random Forest Regressor to evaluate predictive accuracy of migration success and applied model optimization techniques to refine results.