

RICCARDO PROSDOCIMI

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PROFESSIONAL SUMMARY

Software engineer with expertise in designing scalable, high-performance cloud solutions and automation. Strong hands-on experience in multi-cloud environments, DevOps, and full-stack development with Python, Java, and JavaScript.

PROFESSIONAL EXPERIENCE

PwC, Milan, Italy

October 2024 – Present

Cloud Architect

- Built and deployed to production enterprise-grade cloud-native applications using a microservices architecture running on AWS (ECS, EKS) and Kubernetes to support a PIPL-compliant localized after-sales platform in China for a luxury fashion client; restored end-to-end operational capability for 400+ customer advisors after a forced data-transfer shutdown, enabling the migration of historical repair data and unlocking future engagement opportunities for ~180,000 “service-only” customers.
- Automated CI/CD pipelines in GitHub Actions and Azure DevOps for versioning, building, and deploying Java/Maven artifacts, improving deployment reliability and reducing manual operational overhead.
- Engineered a DevOps/Platform target architecture aligned with SAFe, incorporating test automation, CI/CD, IaC (Terraform), and monitoring; delivered PoCs that accelerated cloud adoption and governance standardization for a logistics client in the Middle East.
- Implemented FinOps and DevOps practices to reduce multi-cloud operational costs and speed up deployments through Python/YAML automation, monitoring improvements, and infrastructure optimization.

Northeastern University - Department of Biology, Boston, MA

January 2023 – February 2024

Technology Consultant

- Created a comprehensive dashboard for visualizing form submission data, offering actionable insights and supporting data-driven decision-making within the department.
- Enhanced department efficiency and productivity by 80% by optimizing the form submission process with Smartsheet, incorporating streamlined workflows and automations for improved operations.
- Engineered user-centric forms, focusing on intuitive design and logic to elevate the user experience in academic settings, supporting the department's digital transformation.

CERTIFICATIONS

AWS Solutions Architect - Associate, Salesforce MuleSoft Developer, SAFe 6 Agilist.

EDUCATION

Northeastern University, Boston, MA

September 2021 – May 2024

Master of Science in Computer Science; GPA: 4.00 / 4.00

Minnesota State University - Mankato (AACSB Accredited), Mankato, MN

January 2015 – May 2019

Bachelor of Science in Marketing and Certificate in Business Analytics; GPA: 3.99 / 4.00

RELEVANT PROJECTS [many more]

AWS Full-Stack DevOps IaC [[link to project description, reach out for access to GitHub repo](#)]

July 2024

- Developed a responsive web UI with ReactJS including text and file input fields.
- Implemented file upload to S3, file paths storage in DynamoDB, and automated EC2 instances creation via Lambda.
- Followed AWS best practices, used Cognito as API-Gateway authorizer, and created triggers to execute bash code.
- Utilized AWS CDK (TypeScript), CloudFormation, and SDK JavaScript V3 for infrastructure as code management.

Roll Your Own CDN [[link](#)]

November 2022 – December 2022

- Created the building blocks of a CDN in Python using a DNS, an origin, and 7 HTTP/replica servers worldwide.
- Implemented a DNS redirection to send clients to the replica with the fastest response time.
- Designed a system to determine the best replica with info on network performance, load, and cached data.
- Deployed a GeoIP database for passive measurements and scamper for active ones.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript/TypeScript, Bash, YAML, HCL, SQL, C/C++, HTML/CSS.

Tools & Frameworks: DevOps, CI/CD, AWS/Azure/GCP, Docker/Kubernetes, Terraform, Ansible, NodeJS, ReactJS.

Databases: MySQL (SQL), MongoDB (NoSQL), DynamoDB (NoSQL).