

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, migrated, and deployed enterprise-grade integration applications using MuleSoft running on AWS, Kubernetes, and CI/CD pipelines (GitHub Actions, Azure DevOps) for luxury fashion clients in Italy and China.
- Designed a DevOps automation architecture with test automation, CI/CD, IaC (Terraform), and monitoring for a logistics client in the Middle East and built PoCs to guide adoption of cloud automation and governance practices.
- Developed and applied FinOps and DevOps strategies, reducing operational costs and improving deployment speed across multi-cloud environments through scripting (Python, YAML), monitoring, 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.

Machine Learning for Predictive Failure in Industrial Machinery [\[link\]](#)

March 2024 – April 2024

- Engineered an ML-based tool that forecasts industrial machinery failures 24 hours in advance using PyTorch.
- Implemented a comparative multi-model approach to analyze raw telemetry and other industrial data, fine-tuned and validated using a train-val-test evaluation regime.
- Attained outstanding predictive accuracy with validation and test AUROCs surpassing 0.99.

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).