RICCARDO PROSDOCIMI

prosdocimi.r@northeastern.edu | +39 379 1154025 | Portfolio: https://ricpro.net
LinkedIn: https://www.linkedin.com/in/riccardo-prosdocimi | GitHub: https://github.com/riccardoprosdocimi

PROFESSIONAL EXPERIENCE

PwC Italy, Milan   October 2024 – Present
Cloud Architect
- Architected and implemented cloud-native and enterprise application platforms using modern paradigms (microservices, serverless) and multi-cloud environments (Azure, AWS, GCP).
- Developed DevOps automation processes and FinOps cost management strategies, ensuring efficiency in cloud-based infrastructures, for clients based in Italy and Middle East operating in the finance and logistics industries.
- Designed and implemented advanced PaaS/Low-Code solutions, integrating tools such as API Management, Data Pipelines, and serverless functions with hands-on coding (Python, Java) and scripting (Bash).

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.

EDUCATION

Northeastern University, Boston, MA   September 2021 – May 2024
Master of Science in Computer Science; GPA: 4.00 / 4.00
Activities: NEU Blockchain Club, Sharpe (Graduate Fintech Initiative), Competitive Programming Club, Hack Boston.
Relevant Coursework: Object-Oriented Design, Data Structures and Algorithms, Building Scalable Distributed Systems, Web Development, Machine Learning, Database Management Systems, Computer Networking, Computer Graphics.

CodePath, Remote   September 2024 – November 2024
Advanced Technical Interview Prep

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, ask me 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.

CoinChat [link]   September 2022 – December 2022
- Developed a full-stack social networking web app, implementing login functionalities and RESTful API endpoints.
- Collaborated within an Agile framework as a member of a Scrum team following bi-weekly sprints.
- Utilized React.js for the user interface, Node.js for server-side development, and MongoDB for database integration.

TECHNICAL KNOWLEDGE

Languages: Python, Java, JavaScript/TypeScript, C/C++, SQL, HTML/CSS, Bash.
Tools & Frameworks: AWS/GCP/Azure, Docker/Kubernetes, RESTful APIs, NodeJS, ReactJS, Linux.
Databases: MySQL (SQL), MongoDB (NoSQL), DynamoDB (NoSQL).