|  | Emanuele Cammarata |  |
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## Summary

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## About me

My love for engineering is rooted on a great passion for problem-solving, aiming to create flexible solutions as any organization needs to adapt to different team styles, fostering inclusivity and collaboration towards shared goals.

I'm versed in both technical and business language, allowing me to communicate complex concepts effectively and ensure alignment with stakeholders skills I’ve attuned by facilitating cross-departmental collaboration, leveraging my technical expertise to drive synergy to foster collaboration and informed decision-making.

I have noticed how I perform better in challenging environments, embracing continuous learning and innovation, aiming for exceptional results.

## Work Experience Overview

* Proficiency in cloud computing platforms, database management, network architecture, and software development
* DevOps practices and tools like Git
* Solution Architecture certified and AWS Architecture proven experience
* Domain driven design experience in banking environment
* Continuous integration/deployment (CI/CD)
* Cross-platform software experience building Web Apps and Mobile apps, backend and front end
* Expertise on modern UI and UX implementation
* SEO and Social Media Marketing
* Machine Learning and Artificial Intelligence experience of tools and underlying architectures
* API and Gateway design and implementation

## Work Experience

**Mendix Software Engineer Proximus** **Sept 2022– Current**

Proximus+ team (Telco) Brussels, Belgium

**Project Description**

Design the architecture, expand with new features and implement new design system in the mobile App in µ-services Three-Layer Architecture

**Responsibilities**

* Architect solutions for the environment
* Upgrade the Mobile app with new features
* Backend REST API architecture design and implementation
* Implementing and extending the common UI
* Document the project structure
* Demo the progress to stakeholders

**Technologies**

* Mendix
* Java
* React-Native
* Confluence
* Figma

**React Native Software Engineer Proximus** **Jan 2022–Sept 2022**

MyProximus team Brussels, Belgium

**Project Description**

Develop new features in the mobile App in µ-services mobile architecture environment

**Responsibilities**

* Upgrade the existing Mobile app with new features
* Document development process
* Integrate E2E testing and Mobile accessibility
* Demo the progress to stakeholders

**Technologies**

* React Native (Typescript)
* Jest
* Agile Scrum Methodology: Jira, UML
* Xcode
* Android studio
* Appium

**Java Software Engineer Moneynet** **Jan 2021– Jan 2022**

Transactions team Palermo, Italy

**Project Description**

Build and Setup main Backend for the transaction system in a domain driven environment

**Responsibilities**

* Maintain Company’s SQL relational databases
* Ensure Best practices and Data protection
* Setup architecture for data collection,data aggregation and data computation
* Building scheduled tasks
* Maintain and expand existing codebase with new features
* Develop RESTful API
* Unit and integration testing

**Technologies**

* Java Spring
* Postman
* JUnit
* Hybernate
* MySql

**Software Engineer Randstad Technologies** **Sept 2020– Jan 2021**

Palermo, Italy

**Project Description**

Leveraging modern technologies and best practices to develop a user-friendly application for skill enhancement, and consultancy placement

**Responsibilities**

* Develop software applications for training and job hunting.
* Design and manage databases using MySQL and MongoDB.
* Build user interfaces with React.js, React Native, and Angular.
* Implement server-side logic with Node.js.
* Collaborate on JavaScript-based solutions.
* Conduct code reviews and provide mentorship.

**Technologies**

* MySQL, MongoDB
* React.js, React Native, Angular
* Node.js
* JavaScript

## 

## Projects

* **Recoverability In AWS:**Created highly available solutions to common use cases. I built a Multi-AvailabilityZone, Multi-Region relational database setup and integrated it across multiple geographically separate AWS regions connecting and communicating with EC2 containers. Incorporated estimations of RTO (Recovery Time Objective) and RPO (Recovery Point Objective) to enhance the project's resilience. I also developed a website hosting solution through S3 that's versioned, ensuring that any unexpected data destruction or accidents can be swiftly and easily undone.
* **Design, Provision and Monitor AWS Infrastructure at Scale**:  
  Cost optimization and scalable infrastructure using AWS tools. Identify cost-effective best practices, modernize traditional setups for performance, and explore serverless options when appropriate. Mastered provisioning and de-provisioning infrastructure with AWS CLI and Terraform.
* **AI and Cybersecurity Founder** at [boricam.com](http://boricam.com)  
  Writer and Founder of the Italian blog **Boricam**  about latest Artificial Intelligence features, tools and Cybersecurity threats, exploits and strategies

## Technologies

* **Programming Languages**: Java, Spring, React.js, React native, Angular ,NodeJS, Javascript
* **Technologies**: Android Studio,Wordpress,MySQL, AWS, Git, MongoDB, Lambda, GraphQL,Terraform,EC2,S3
* **Methodologies**: Agile, Scrum, Waterfall, REST, Domain driven design (**DDD**), Model-View-Controller (**MVC**), Event-Driven Architecture (**EDA**), Microservices architecture(**µS**), Service oriented architecture(**SOA**)

## Languages

* Italian
* English
* French

## Education and Certifications

* **B.Sc. Software Engineering ,** University of Palermo, Italy.
* **AWS Cloud Architect - Nanodegree Program ,** [Udacity](https://www.udacity.com/)
* **Certified Microservice Architect,** [Arcitura Education](https://www.arcitura.com/)
* **Certified Microservice Professional,** [Arcitura Education](https://www.arcitura.com/)
* **Certified Machine Learning Specialist,** [Arcitura Education](https://www.arcitura.com/)
* **Certified Artificial Intelligence Specialist ,** [Arcitura Education](https://www.arcitura.com/)
* **Certified Mendix Rapid Developer,** [Mendix](https://www.mendix.com/)
* **CS50's Mobile App Development with React Native,** HarvardX CS50M Course
* **R Programming: Data Science and Machine Learning ,** [**Stackskills**](https://stackskills.com/)
* **Complete Full-Stack JavaScript Course,** [**Stackskills**](https://stackskills.com/)