

About

In love with problem-solving, I dedicate myself to creating flexible and simple solutions.

Passionate about effective communication, I explain complex concepts both in technical and informal fields, facilitating collaboration between departments and ensuring transparent decision-making processes

Work experience overview

- Expertise in platforms **Cloud computing**, database management, network architecture and software development
- Practices and tools **DevOps** come Git
- Certificated and proven experience in **Solution Architecture** and **AWS Cloud architect**
- Domain-driven design experience (**DDD**) in banking and telecommunications environment
- Continuous integration/deployment (**CI/CD**)
- Experience building **web** and **mobile** applications with cross-platform, **backend** and **front-end** software
- Expertise in modern implementation of **UI** and **UX**
- **SEO** and social media marketing experience
- Experience of **Machine Learning** and **Artificial intelligence** on underlying tools and architectures
- Design and implementation of **API** and **Gateway**

Work experience

Full Stack Software Engineer

Proximus
Brussels, Belgium

January 2022– Current

Key Competencies:

- Development and management of the new webshop with a mobile-first approach and integration with CMS such as Contentful and Salto.
- Implementation of new features and design system for the mobile app, used by over a million users.
- Migration and integration of key components from backend REST services to the frontend in a microservices architecture.
- Coordination of live demos for stakeholders, integration of E2E testing and mobile accessibility, with a focus on performance and scalability.

Backend Engineer

Money.net
Palermo, Italy

January 2021– January 2022

Key Competencies:

- Configuration and management of the DDD-based transaction system architecture.
- Developing and maintaining RESTful APIs and automating processes with scheduled tasks.
- Optimizing SQL relational databases and implementing data protection best practices.

Key Competencies:

- Development of applications for training and job search.
- Design and management of MySQL and MongoDB databases.
- Developing user interfaces with React.js, Angular and React Native and server-side logic with Node.js.

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**)

Training

- **B.Sc. Software engineering** , University of Palermo, Italy.
- **Certified Microservices Architect**, [Arcitura](#)
- **AWS Cloud Architect- Associate** , [Amazon](#)
- **AWS Cloud Architect - Nanodegree program**, [Udacity](#)
- **Certified Microservices Professional**, [Arcitura](#)
- **Certified machine learning specialist**, [Arcitura](#)
- **Certified Artificial Intelligence Specialist**, [Arcitura](#)
- **CS50 mobile app development with React Native**, [HarvardX CS50M Course](#)

Projects

- **Recoverability in AWS:**
Created highly available solutions for common use cases. I created a Multi-Availability Zone and Multi-Region relational database setup and integrated it into multiple geographically separated AWS Regions that connect and communicate with EC2 containers. Built-in RTO (Recovery Time Objective) and RPO (Recovery Point Objective) estimates to improve project resilience. I have also developed a website hosting solution via S3 with versioning, ensuring that any unexpected data destruction or incident can be reversed quickly and easily.
- **Design, provision, and monitor AWS infrastructure at scale:**
Cost optimization for scalable infrastructure using AWS tools. Identified cost-effective best practices, modernizing traditional configurations to improve performance, and explored serverless options when appropriate. Mastered infrastructure provisioning and deprovisioning with AWS CLI and Terraform.
- **Founder of Blog on artificial intelligence and cybersecurity** A [boricam.com](#)
Writer and founder of the Italian blog **Boricam** on the latest cybersecurity features, tools and threats, exploits and AI strategies
- **IT Architectures discovery**
Series of articles on discovering and mapping high-level IT architectures such as [Netflix](#), [Reddit](#) and [Uber](#)