

Mahdi Baccara

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👤 Baccara-Mahdi-Dev

Work Experience

Akronos S.R.L. (per Siemens) , Full-stack Developer	Genoa, Italy	June 2024 – present
Consulting activities at Siemens, focused on full-stack development, performance testing, and CI/CD pipeline management in an enterprise environment.		
<ul style="list-style-type: none"> Integration and development of CI/CD pipelines on GitLab, managing build, test, and deploy processes. Development and improvement of automated performance tests using K6, with result analysis and report generation. Extensive use of the NATS protocol and its client library for asynchronous messaging systems. Refactoring and updating .NET and C# components, adapting tests and pipelines. Creation of custom tools in Node.js for automatic processing of test results. Containerization activities and image management with Docker, control and validation of public and golden images. Monitoring tests via InfluxDB and Grafana, creating dedicated dashboards. Introduction and adaptation of pipelines from other systems (e.g., TFS) to the GitLab infrastructure. 		
Algowatt S.p.A. , Full-stack Developer	Genoa, Italy	July 2023 – June 2024
<ul style="list-style-type: none"> Development and maintenance of software with Angular, C#, ASP.NET, .NET, and Oracle DB. Contributing to project documentation. Creation of CMake scripts and C++ programs for refactoring Matlab software, with the support of AI ChatGPT. Modernization of C# .NET software for Windows using DevExpress to create a full-stack application with Angular on the frontend and .NET on the backend. Bug fixing and software testing. Experience working with API. 		
Boris Production , Full-stack Developer	Genoa, Italy	July 2022 – July 2023
<ul style="list-style-type: none"> Development of the new U.I. and U.X. for indici.blablive in SCSS, PHP, and JavaScript. Development and maintenance of PHP code. Testing and bug fixing. Contributing to documentation. Development of new and updated WordPress plugins in PHP and React. Resolving tickets. Experience working with API. Creation of a web app for project management, stack: Laravel 10, TailwindCSS, AlpineJS, MySQL. 		
MyPass , Full-stack Developer	Genoa, Italy	Aug 2021 – July 2022
<ul style="list-style-type: none"> Development and maintenance of RESTFUL APIs based on the Laravel (Lumen) framework and REST APIs based on the Restler framework. Contributing to documentation on the Confluence platform. Testing and bug fixing. Resolving tickets on Trello and GitLab. Development of PHP scripts and MySQL queries aimed at managing large amounts of data, regularly executed via cron jobs. Experience with GitLab and CI/CD pipelines. Development of custom dashboards and tools in PHP and React. Experience working with API, integrating with external web services including XML, REST, or JSON. 		
2Way Communication & Consulting , Full-stack Developer	Genoa, Italy	Jan 2021 – Aug 2021
<ul style="list-style-type: none"> Development and maintenance of web applications using PHP and CodeIgniter with MVC architecture. Use of MySQL for managing relational databases. Implementation of interactive features with AJAX and jQuery. Creation and management of responsive user interfaces with HTML, CSS, and Bootstrap 4. Drafting documentation for the usage of web apps. Testing and bug fixing in the software. Experience in using API for integration with other systems. 		
Liguria Digitale , Internship	Genoa, Italy	July 2023 – June 2024

- Development of **XML** web pages supported by **Bootstrap 4** and applications in **Java**, using the **Eclipse** programming environment.

Education

B.D. **University of Genoa**, Computer Science

Genoa, Italy
Sept 2020 – present

T-Dip **Italo Calvino - Institute of Higher Education, ITIS** – Computer Science

Genoa, Italy
Sept 2014 – June 2020

Skills

Programming Languages: C, C++, C#, Python, JavaScript, TypeScript, PHP, GO

Web Development: HTML5, CSS3, TailwindCSS, Bootstrap 4/5, Vue.js

Frontend Frameworks: React, Angular, JQuery

Backend Frameworks: Node.js, NestJS, Laravel, CodeIgniter, .NET, Lumen

Database Technologies: MySQL, PostgreSQL, OracleDB, MongoDB, Firebase

Version Control: Git, GitLab, GitHub

DevOps Tools: Docker, Kubernetes, Helm, SonarQube, GitLab CI/CD, K6, Grafana, InfluxDB

Networking & Systems: Linux (Ubuntu, Debian), Windows (7, 8, 10), macOS, Cisco networking (routers, switches)

Software Development Tools: Visual Studio Code, Eclipse, NetBeans, PHPStorm, Unity Game Engine, NotePad++, VIM, CygWin, PHPMyAdmin

Cloud & Virtualization: Oracle VM VirtualBox, VMware, Hyper-V, Docker

Agile Methodologies: Scrum, SAFe Agile, Waterfall

Project Management Tools: Jira, Confluence, Polarion, Atlassian Suite

Data Serialization: JSON, XML, YAML

Game Development: Unity Game Engine

Security & Code Quality: Secure coding practices, SonarQube

Operating Systems: Linux (Ubuntu, Debian), Windows (7, 8, 10), macOS

Soft Skills: Communication, Teamwork, Problem-solving, Time management

Languages: English (C1), Italian (native)