

SKILLS

- Agile and scrum frameworks
- Python programming
- Jira
- HTML/ CSS
- JavaScript expertise
- C
- Angular
- TypeScript
- Node.js
- REST APIs
- MySQL
- MongoDB
- Postman
- Selenium

PERSONAL SUMMARY

Skilled Full-Stack Developer with expertise in Angular, Node.js, and RESTful APIs, complemented by a solid foundation in both frontend and backend development. Designed and implemented responsive websites and developed a fully functional e-commerce platform as well as an AI-powered job recommendation platform during an intensive full-stack development course. My previous roles in the automotive industry as a software tester allowed me to develop strong debugging, automation, and collaboration skills across international teams. This combination of web development and testing experience equips me to deliver high-quality, scalable applications.


PERSONAL INFORMATION

- Date of birth: 09/11/97
- Gender: Male
- Nationality: Romanian
- **GitHub:**
<https://github.com/cristianM1109/projects>
- **LinkedIn:**
www.linkedin.com/in/cristian-proteasa-5180411bb

HOBBIES AND INTERESTS

Active participant and organizer in Hard Enduro Races, involved in

Cristian Mihai Proteasa

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 Cluj-Napoca, Cluj, Romania, Cluj 400486

EXPERIENCE

06/2022 - Current

Software Development Engineer in Test
Marelli | Cluj, Romania, Romania

- Python test script development and maintenance - Created and maintained Python test scripts across six automotive projects based on the AUTOSAR framework
- Bug tracking and management - Reported and tracked software bugs using Jira, ensuring efficient issue resolution
- Team synchronization and task management - Coordinated with testing teams locally and internationally through daily meetings, utilizing the Kanban framework for task sharing
- Requirements analysis and testing framework enhancements - Conducted requirements analysis and estimations, developed new libraries, and created helper functions to keep the testing platform organized, scalable, and adaptable across multiple projects
- Version Control and collaboration - Utilized Git across multiple repositories for version control, and used Confluence for information sharing with software architects, systems engineers, and project members
- Code review and refactoring - Regularly reviewed and refactored existing code to enhance functionality, maintainability, and adherence to standards
- Cross-Team collaboration - Worked closely with the Software Development team to implement detailed requirements and facilitate smooth information exchange
- Testing methodology and standards - Conducted testing at various levels, including Software, System, and System Integration, following the Waterfall V-Model methodology
- Applied ISO 26262 standards for functional safety and refined processes using the V-Model
- Professional development - Achieved ISTQB certification and completed multiple engineering courses on platforms like Udemy

09/2021 - 02/2022

Test Development Engineer ADAS
Continental Automotive Systems | Sibiu, Romania

- C Test script development - using National Instruments CVI IDE and other specialized automotive tools
- Testing framework and hardware development - Developed software for the testing framework and identified suitable hardware solutions for factory testing lines

03/2019 - 09/2020

Software Testing Engineer - Hella Radar Sensors
Hella | Timisoara, Romania

Romania's National Championship. Avid reader of diverse topics. Fitness enthusiast, enjoying gym workouts, tennis, and a balanced, active lifestyle.

CERTIFICATIONS

- Cambridge CAE

- Develop and maintain Java test cases involving Hella Radar Sensors, developed within the AUTOSAR framework
- Perform testing activities - Conducted full test runs and result analysis at the System Integration Test level, adhering to the V-Cycle methodology
- Project development environment - collaborated on a complex project composed of multiple custom and built-in Java libraries using the Eclipse IDE
- Safety standards compliance - Implemented ISO 26262 requirements for Automotive Safety Integrity Level (ASIL)
- Documenting and reporting - Created thorough documentation and statistical reports for testing activities
- Collaborative problem solving Worked closely with local and international testing teams to resolve issues and address challenges within testing processes

PROJECTS

1. Full Stack Developer Course – Swiss WebAcademy - Sibiu, Romania (2023–2024)

• Job Recommendation and Analysis Platform

Brief Overview: Developed a full-stack platform for personalized job recommendations and CV compatibility analysis.

Technologies Used:

- **Frontend:** Angular (TypeScript) with Material Design and SCSS for a modern, responsive and interactive UI. Implemented state management with RxJS and lazy loading for performance optimization.
- **Backend:** Node.js (Express) REST API integrated with PostgreSQL for relational database management, JWT-based authentication for secure API access and middleware for route verification and input validation.
- **AI Services:** Flask API using natural language processing (NLP) models like Sentence Transformers, TF-IDF and GPT-3.5 for intelligent job recommendations and CV analysis.
- **Database & Caching:** PostgreSQL for structured data storage complemented by Redis for caching high-frequency API responses to maintain low-latency performance under load.
- **Testing & QA:** Testing pipeline, including Cypress for UI testing, Jest for backend unit tests and Postman for API validation.
- **Deployment:** Dockerized microservices with CI/CD pipelines for deployment and integration into cloud platforms like AWS, ensuring smooth updates and continuous delivery.

Key Features:

- **Personalized Job Recommendations:** AI-driven compatibility scores for job suggestions using advanced NLP algorithms.
- **CV Analysis & Improvement:** Identifies gaps in CVs and provides actionable recommendations to enhance alignment with desired roles.
- **Job Management:** Full CRUD operations for favorite jobs with intuitive workflows for adding, viewing, and removing jobs.
- **Performance & Scalability:** Designed a microservices architecture with Redis caching, Kubernetes orchestration, and optimized container management for high performance and horizontal scalability.

2. Diploma Project (2019–2020)

Project: Enduro Motorbike Tracking System

- **Description:** Developed an Android application and a web platform to track the progress of enduro motorbike competitors using NFC technology. Successfully tested during Romania's National Stage Championship.
- **Frontend:** Designed the web platform using HTML, CSS, and JavaScript for race results and progress tracking. Implemented responsive design for desktop and mobile use.
- **Backend:** Server-side logic and database integration with PHP and MySQL. Created APIs for syncing real-time data between Android devices and the web platform.

- **Android Application:** Built with Android Studio, Java and SQLite for offline data storage.
Used Retrofit for HTTP requests and RxJava for reactive programming.
Implemented NFC scanning to record participant progress at checkpoints.
- **System Flow: Data Collection:** Scanned NFC tags at race checkpoints, storing timestamps in an offline database.
Data Synchronization: Periodically synced local data with a central server.
Web Platform Integration: Displayed rankings and progress updates in real-time on the event website.

3. Project Portfolio:

- **Enduro Poiana Rusca** (*endurupoianarusca.ro*)Created a dedicated website for enduro events, showcasing schedules, results, and event details.
Technologies used: HTML, CSS, JavaScript, PHP, and MySQL.
- **Vehicle online shop** (*toyvehicules.com*) Built an e-commerce-style platform to display and manage vehicles inventory in a pre-owned car dealership .
Developed a simple product catalog using PHP and dynamic data rendering with JavaScript.
- **Hostel Ciuperca** (*hostelciuperca.ro*)Designed a booking website for a hostel, featuring an interactive calendar and reservation system.
Integrated backend functionality with PHP and MySQL for data persistence.
- **E-Suda** (*e-suda.ro*) (*Offline but available for demonstration*)Built a digital presentation platform for an electric vehicle car dealership.
- **Autoclau.it** (*autoclau.it*)Developed a website for a car dealership, offering users an interactive platform to browse car listings and details. Integrated contact forms and vehicle search functionality.
Technologies used: HTML, CSS, JavaScript, PHP, and MySQL.

Key Technologies:

- Frontend: **HTML, CSS, JavaScript, Bootstrap.**
- Backend: **PHP, Node.js, Express.js.**
- Database: **MySQL, MongoDB.**
- Tools: **Git, Figma.**

CAREER GOALS

Seeking to transition into web development, leveraging my technical skills and experience to create innovative solutions. Eager to learn, contribute to dynamic projects, and grow within the development field.

EDUCATION

01/2020
Polyethnic University of Timisoara | Timisoara, Romania
Bachelor of Science: Computer Science

01/2016
National College "Iancu de Hunedoara" | Hunedoara
Baccalaureate Diploma: Mathematics and Informatics

LANGUAGES

English: C1

Advanced