CORNICI VLAD

Software Engineer

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SUMMARY:

Experienced programmer with **5+** years in software development and engineering. Expertise in full-stack application development and deployment. Expertise in cloud technologies, **could platforms** for development, distributed microservices, and client-oriented software. Automation of workflows and procedures for clients' needs. Skilled in understanding requirements and planning the desired product, including tasks and subtasks, proven a strong focus on creating scalable, efficient, and user-centric solutions. Be a client for the products you build for your clients. Proficient in **JavaScript**, **Java**, **Python**, **Docker**, and **AWS**. Earned a degree in **Computer Systems, Networking,** and **Telecommunications,** and one in **Telecommunications Engineering.**

SKILLS:

JavaScript | TypeScript| Java | JUnit | React | React Native | Nest | Next | Node.js | Docker | AWS Cloud Certified | Microservices | Microfrontends | HTML | CSS | Git | Agile Methodologies | Team Leadership | Project Management | Performance Optimization | Scalabilty | System Architecture | Full Stack Developement | Apache2 | Nginx | Spring Boot | Hibernate | Linux | Windows | MacOS | PHP | Laravel SQL | MongoDb | Bash | Python| FastAPI

EXPERIENCE

Custom Code Factory | (January 2022 - Present)

Software Engeneer | (Suceava Romania)

In Custom Code Factory we develop cutting-edge solutions for client needs.

- Developed AI-powered tools to extract data from documents and implement Retrieval-Augmented Generation (RAG) chat systems, enabling automated knowledge base improvement and optimized marketing insights with **Python** and **FastAPI**.
- Build customers' **WooCommerce** website, manage easy product loading, stock management, build **plugins** using **PHP**, and tools for handling heavy operations that clients have.
- Developed **CRM** solutions in **React** and **Nest** for targeting specific branches of clients, helping clients find new clients, and approaching or retaining them.
- **ERP** solutions for enterprise resource planning and process automation in **Next**.
- Enhance the **security** of sensitive data by applying multiple algorithms and encryption at rest on devices and hard disks with proper backups of clients' data on remote servers with a quick restore solution in case of fault tolerance.
- Lead migration to distributed services and containerization of applications using **Docker** and **pipelines**.
- Build cross-platform applications using React Native that could be deployed easily on mobile stores.
- Configured and deployed application in production using **Apache2**, **Nginx**, and **GitHub Actions**.
- Developed 2-factor authentication mechanisms that can enhance security with security code generation and 2-step verification using **PHP** and **React Native.**

- Created automated scripts in **Bash** for backup creation, transfer, and **encryption**, **scheduled actions**, and cleanup solutions of old backups.

Marsh McLennan/Expleo Group | (February 2022 - May 2024)
Senior Application Developer | (Ireland/Iaşi, Romania-remote)

In Marsh McLennan/Expleo Group we build client solutions for their business.

- Developed and implemented highly optimized **cloud services**, significantly enhancing performance and maintainability to meet the demanding application needs of **API** processing effectively.
- Optimized the codebase by reducing its complexity and separating concepts, thereby improving code execution efficiency. This involved breaking down complex code into smaller, more manageable pieces, making the logic easier to follow and debug.
- Increased application flexibility and scalability by adhering to open-closed principles in **JavaScript**, ensuring the system is closed to changes but open to adding new features without causing disruptions.
- Improved code readability by consolidating core logic and developing testing modules, enabling developers to debug and enhance service and **API** testing more smoothly and efficiently.
- Implemented and maintained an error handling mechanism that tracks problematic code and incorporates recovery processes to address major issues effectively.
- Build cloud tools and solutions for internal use and testing, using **Unqork** and **JavaScript** to automate business processes and platform API's.

EDUCATION

„Ştefan cel Mare" University | Suceava   **2018 – 2020**
Master's degree, Computer Systems Networking and Telecommunications

Technical University of Moldova | Chisinau   **2014 – 2018**
Licentiate degree, Telecommunications Engineering

AWARDS & RECOGNITION & CERTIFICATIONS

- **AWS** Certified **Cloud** Practitioner
- *Unqork Certified Associate Configurator*
- *Expleo CUE Award Associated with Expleo Group*

RELEVANT COURSEWORK

- *Modeling and operation of wireless systems*
- *Cryptography and Cyber Security*
- *Smart device design and the IoT*
- *Advanced Software Engineering*
- *Advanced web technologies and service-oriented architectures*
- *Sensor and ad hoc networks*
- *Cloud technologies*
- *Optical communications and WDM systems*

LANGUAGES

- **Romanian -** mother's tongue (native)
- **Russian -** proficient user (C2)
- **English -** proficient user (C1)