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Professional Experience

Senior Software Developer, Intrum Global Technologies (2023 - Present)

- Successfully reengineered the app search integration with Elasticsearch, achieving a robust and efficient data synchronization mechanism that significantly enhanced search functionality.
- Led the creation of an internal training and knowledge sharing platform, promoting a culture of continuous learning and collaboration within the team.
- Recognized for outstanding mentorship and positive impact on team development, elevating overall team performance and efficiency.
- Drove the upgrade of the project's technology stack to the latest .NET technologies, ensuring state-of-the-art development practices.
- Functioned as the key developer in the team, guiding critical project decisions and leading technical strategies.
- Demonstrated exceptional problem-solving skills, adaptability in agile environments, and a commitment to continuous personal and professional growth, making significant contributions to software quality and team dynamics.

Software Developer Contractor, Locta Limited (2018 - 2023)

- Led the transition to a cloud-based Kubernetes infrastructure, significantly enhancing scalability and reducing operational costs.
- Developed a robust ElasticSearch-based search engine application, focusing on big data analytics from all UK councils, resulting in increased accuracy and user satisfaction through advanced relevancy scoring and geolocation filtering.
- Implemented and optimized CI/CD pipelines, streamlining the development process and enhancing overall efficiency.
- Directed the upgrade of legacy applications to .Net Core, contributing to modernization and efficient containerization.
- **Technologies:** .Net Framework/Core, C#, Kubernetes, Docker, ElasticSearch, Node.js, ReactJS, RedisDB, Hangfire, Data8.

Security Analyst/Software Developer Contractor, BitBox (2017 - 2018)

- Identified and resolved security vulnerabilities in the video game "Life is Feudal," which led to an expanded role in game development.
- Reworked and upgraded key embedded pages - the Market (Auction House) and the game map - to ReactJS, significantly improving design, user experience, and performance.
- The enhancements made to these features contributed to a substantially improved overall gaming experience.
- Provided ReactJS mentorship, sharing expertise and fostering skill development within the team.
- **Technologies:** PHP, ReactJS, Node.js, MariaDB, Angular2.

Software Developer, AO.COM (2016 - 2018)

- Played a key role in developing secure and efficient checkout and payment systems, leveraging advanced algorithms in an Agile/TDD environment to streamline the checkout process.
- Innovated a payment provider template system, significantly simplifying the integration of new payment methods and ensuring compliance with various laws and legislations.
- **Technologies:** .Net, C#, ElasticSearch, Docker, MSSQL, Node.js, Ruby, RedisDB.

Software Developer, Code ComputerLove (2015 - 2016)

- Significantly enhanced the development pipeline by integrating Teamcity, Octopus, and Jenkins with a strong focus on automated acceptance testing.
- Heavily employed Test-Driven Development (TDD) practices to develop high-quality, modular components, leading to more reliable and maintainable code.
- **Technologies:** .Net, C#, ElasticSearch, Microsoft SQL, RabbitMQ, Node.js, RedisDB.

Internship - Software Developer, CIVICA (2013 - 2014)

- Applied university-learned techniques in a real-world context, quickly adapting to company technologies and contributing effectively to the team.
- **Technologies:** C#, OracleSQL, WCF, EntityFramework, ServiceBus, WPF, Agile/Scrum.

Education

BSc (Hons) in Computer Science, University of Manchester (2011 - 2015)

- Graduated with a 2:1, incorporating industrial experience. Focused on team-based projects using Agile and pair programming methodologies.

Skills

IT

- Proficient in C#, JavaScript, Node.js, and MSSQL. Skilled in building enterprise applications and developing microservices.
- **Applications and Frameworks:** Experienced in .NET Framework/Core, Kubernetes, Docker, ElasticSearch, ReactJS, Angular. Proficient in CI/CD pipeline development and automated testing.
- **Environments:** Adept in Windows and Linux environments, with expertise in cloud infrastructure and Kubernetes migrations.
- **Methodologies:** Proficient in Agile, TDD, Scrum, and Kanban, with a strong background in mentoring and training in these methodologies.
- **Other Skills:** Extensive experience in data analysis, search engine optimization, and integrating payment systems.

Languages

- **English:** IELTS 7.0
- **Romanian:** Native speaker.
- **French & Spanish:** Basic conversational proficiency.