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Professional Experience

2018 - Now Locta Limited - Software Developer Contractor:

In an Agile development environment, I have been working on projects involving data analysis on UK council data. Notable Projects include:

- Creating Kubernetes environments, containerizing existing applications, and developing microservices. I successfully migrated from expensive on-premise servers to a cloud-based Kubernetes infrastructure, reducing costs and increasing scalability.
- Creating search engine app on ElasticSearch with advanced relevancy scoring and geolocation filtering. Reimplementing the SQL searches into ElasticSearch resulted in very accurate results with less required input from users, improving the customer satisfaction and attracting more clients.
- Established CI/CD templates and pipelines for all the apps, improving the efficiency and speed of the development process.
- Upgraded all the applications from .Net Framework 3/4 to .Net Core and configured container builds for them.
- **Technologies:** .Net Framework / Core, C#, Kubernetes, Docker, ElasticSearch, Node, ReactJS, RedisDB, Hangfire, Data8.

2017 - 2018 BitBox - Security Analyst/Software Developer Contractor:

I was initially hired as a security analyst to investigate data breaches and vulnerabilities in the video game Life is Feudal. After successfully identifying and patching security holes, I was offered a development contract to rewrite the market and map functionality of the game.

- As a security analyst, I was responsible for identifying and patching security holes to protect the game and its players.
- As a web developer, I reengineered the market and map features of the game, improving the overall player experience. I also acted as a mentor for a junior web developer, teaching them the basics of ReactJS.
- **Technologies:** PHP, ReactJS, Node, MariaDB, Angular2

2016 - 2018 AO.COM - Software Developer:

I worked in an Agile and TDD environment at AO.COM as a software developer. My main focus was on delivering stable and secure checkout and payment systems. I also took a mentoring role to improve the TDD ability of my team by using coding katas in my mentoring sessions.

- Consolidated the checkout flow by creating a payment provider template system that could be used to add new payment methods faster and more reliably.
- **Technologies:** .Net, C#, ElasticSearch, Docker, MSSQL, Node, Ruby, RedisDB

2015 - 2016 Code ComputerLove - Software Developer:

I worked in an Agile, Lean environment with Scrum meetings, Kanban boards and TDD as development method.

- **Continuous Integration:** Enhanced development pipeline with Teamcity, Octopus and Jenkins and interfacing with a metrics framework. Automated acceptance tests and synchronization of the Umbraco database across environments.
- **Metrics:** Developed metric dashboard for highlighting irregularities such as pinpointing profit fluctuations to software features.
- **Technologies:** .Net, C#, Umbraco, ElasticSearch, Microsoft SQL, RabbitMQ, Dashing, NewRelic, Node, Ruby, RedisDB

2013 - 2014 Internship - CIVICA - Software Developer:

I chose to do an internship during my studies at University in order to gain real-life experience to guide my career path. I was able to put into practice the techniques I learned at University and quickly grasp the technologies used by the company in order to become a valuable asset for the team.

- **Technologies:** C# and OracleSQL, WCF, EntityFramework, ServiceBus, WPF, Scrum, Agile methodology, pair programming.

Education

2011 - 2015 The University of Manchester

BSc (Hons) Computer Science with Industrial Experience - Degree result 2:1

I completed a Bachelor's degree in Computer Science with Industrial Experience at The University of Manchester. During my studies, I developed an excellent IT foundation by combining the skills and knowledge taught at University with practical experience. I regularly worked in small size teams to plan, design and develop projects, employing agile and pair programming techniques.

Skills

IT

Proficient in C#, Javascript & Node, MSSQL, with experience in building enterprise applications and developing microservices.

Applications and Frameworks: Experienced in .NET Framework/Core, Kubernetes, Docker, ElasticSearch, ReactJS, Angular, with a solid understanding of CI/CD pipeline and automated testing.

Environments: Adept in both Windows and Linux, with expertise in cloud infrastructure and migrating applications to Kubernetes.

Methodologies: Proficient in Agile, TDD, Scrum, and Kanban, with experience in mentoring and training team members in these methodologies.

Other skills: Strong experience in data analysis, search engine optimization, and payment system integration.

Languages **English:** IELTS 7.0

Romanian: native.

French: basic conversational level.

Spanish: limited.

Driving

Full clean driving licence.