Yasir FAYROOZ
Software Engineer | Cyber Security

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A technology-agnostic software developer with a robust skill set encompassing languages like C#, Python, Rust, and front-end frameworks such as Angular and React. I bring extensive expertise in software development and architecture. I've been instrumental in spearheading the transition towards asynchronous event-driven microservices, leveraging domain-driven design and clean architecture principles. I hold a Bachelor's degree in Computer Science from RMIT University and additional studies in IT Security & Criminology from Deakin University, I combine academic rigor with hands-on experience to drive impactful software solutions.

☰ SKILLS

Programming	**C#**, **Python**, **Rust**, **Rust**, **Typescript**, Javascript, HTML5 & CSS3, Java
Frameworks	**React**, **Angular**, **.NET**, Next.JS, OAuth/OIDC, Tailwind, Langchain, Semantic Kernel, Spring/Spring boot
Databases	**SQL Server**, **PostgreSQL**, **Elastic Search**, **Redis**, **CosmosDB**, MongoDB, Pinecone, Qdrant, Azure AI Search
Tools	**Rider**, **Visual Studio**, **VS Code**, **Cargo**, **git**, **Node**, Eclipse, Maven
Cloud	**Azure**, Google Cloud, App Services, Service Bus, Blob storage, APM, Azure Functions
Operating systems	Mac OS X, Windows Server, Windows, Android, Linux distros (Kali Linux)
Other	Clean architecture, Microservices, Event Driven Architecture, Docker, OpenAI

💼 PROFESSIONAL EXPERIENCE

Present
August 2022

.NET Developer & AI | Mid-Senior, PREEZIE, CBD Melbourne

> Championed the AI project at preezie, leveraging semantic kernel and facilitating monthly Microsoft meetings from Redmond USA to remain at the forefront of technology advancements in Generative AI. Implemented advanced prompt engineering techniques, Vector search with embeddings, Retrieval Augmented Generation (RAG), AI Agents, Semantic search and more.

> Developed innovative solutions using microservices and clean architecture, enhancing existing legacy systems while integrating modern technologies like Angular and React for both backend and frontend development.

> Solely migrated large scale analytics data to a more cost effective cloud architecture, reducing monthly expenses by 40% with minimal downtime.

> Single-handedly re-architected and optimized a critical legacy software system, improving and cutting import speeds by over 50% and ensuring future scalability while collaborating closely with senior leadership. Lead backend developer for a successful new product, nextbuy, contributing to significant ARR growth and achieving cash flow positivity.

`.NET 6/7/8` `Elastic Search` `Redis` `CosmosDB` `Semantic Kernel` `React & Angular` `PostgreSQL` `DDD` `Artificial Intelligence`

August 2022
March 2021

Software Engineer | Graduate, MOTOROLA SOLUTIONS, Burwood Melbourne

> Co-developed a multi-tenancy-enabled full-stack solution for CrimeStoppers Tasmania's online crime reporting platform, garnering media recognition and awards. Designed for public anonymity, the platform features real-time report processing, media upload capabilities, and advanced management tools.

> Modernized a legacy product to enhance customer service, transitioning it from a Winforms application into a web application with fine-grained permission controls and Google account authentication. Improved productivity and decreased support needs significantly.

> Managed over-the-air updates for RACV-owned tablets, implementing necessary software patches and security updates through client liaison, ensuring device functionality and security compliance.

> Working closely with mission-critical clients such as Ambulance Victoria, Victoria Police and Fire Rescue Victoria doing UAT Tests for software patches. Following close guidelines and liaising with staff to ensure efficient speedy delivery of patches.

> Developed a web application to efficiently configure hundreds of routers to be installed in Ambulance Victoria vehicles. The app performed various file I/O reading and writing in an easy to use user interface.

`.NET 5/6` `Angular` `MongoDB` `SQL Server` `OAuth2.0` `Identity Server` `Devops` `CI/CD` `WPF` `Winforms`

March 2021 January 2021	**Software Developer	Junior, Trade View, St Kilda Melbourne** › Developing and testing algorithmic trading bots using key indicators and various tactics learned during the job. › Addressing customer support tickets on a daily basis. Assisting customers with their algorithms and debugging code. › Adding features to their custom developed CMS system. › Helped develop and launch a crypto trading site integrating live feeds and price tracking. Metatrader 5 C C# React Zoho
January 2021 June 2018	**Security Officer, CSL, Parkville Melbourne** *Customer Service* pour Security › Professional emailing and communication. › Paperwork & general admin tasks. › Phone calls & customer service at a well known biotech company. Radios CCTV Customer service Gatehouse

🌐 Languages

English ●●●●●
Arabic ●●●●○

➕ Achievements

› Attendee of 2022 NDC Melbourne's Software Developer conference 5 day pass
› 3rd place from 74 teams total. Best AI developed at RMIT. Used A* Search, Expectimax & Reinforcement Learning/Q-Learning with function approximation
› Developed and hosted my own terminal themed portfolio site from scratch

🎓 Education

2018-2020	Bachelors degree in **Computer Science** @ Royal Melbourne Institute of Technology (RMIT) University
2014-2017	Bachelors degree in **IT Security** @ Deakin University Burwood Campus
2014-2017	Bachelors degree in **Criminology** @ Deakin University Burwood Campus

💻 Projets

GitYas
2023 - PRESENT
🔗 github.com/yasir-fayrooz/GitYas   - private repository
Creating my own Git GUI cross-platform desktop client as a spare side-hobby learning project using the Tauri framework with a React Vite frontend and Rust on the server side. Learned to code in Rust from scratch over time.
Rust Typescript Javascript Tauri Cargo Node Tailwind Visual Studio Code

Portfolio
2022-PRESENT
🔗 www.yasirfayrooz.com
Created my own terminal themed portfolio website to refresh my front-end developing skills in my own time.
Next.Js React Tailwind CSS Firebase Cloudflare

Swordlife
2020
🔗 github.com/yasir-fayrooz/Swordlife
Created a game using Unity and published on the Google Play store for a short period in a team of 6 people for a capstone project at university.
C# Unity Android Google Play Aseprite

❝ References

Danny Wang
Head Of Technology, PREEZIE
@ Provided on request
📞 Provided on request

Zen Farhat
Customer Success Lead, Frontend Simplified
@ Provided on request
📞 Provided on request