

KYLE RUSSELL

FULL STACK SOFTWARE ENGINEER

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SUMMARY

Full stack software engineer with 4 years experience working across numerous domains with demonstrated expertise in .NET and modern web technologies. Hands-on experience delivering scalable, high-performance distributed applications and having worked in both startups and ASX listed enterprises, I've learnt to thrive in fast paced environments and develop strong communication skills. After a career break to care for family during a challenging period in 2023-2025, I'm excited to jump back into the industry and join a team working on high-impact products that encourages growth.

TECHNICAL SKILLS

Frontend	Angular, React, Vue.js, TypeScript, JavaScript, HTML, CSS, Sass Redux, jQuery, Chart.js, Bootstrap, Tailwind, Material
Backend	C# ASP.NET 4.7 - .NET 8, Java Spring, Node.js, Entity Framework, SQL CosmosDB, Identity Framework, MassTransit, MediatR, AutoMapper
Tools	Azure, TeamCity, Git, Swagger, Yarn, npm, Postman, Grunt, Jira
Testing	xUnit, NUnit, JUnit, Moq, Enzyme, Mocha, Chai.js, Sinon.js

WORK EXPERIENCE

Full Stack Software Engineer

Wizr | Remote | Full Time | May 2022 – April 2023

An ASX listed fintech providing lending services with a focus on improving financial wellness.

- Developed new APIs across business-critical loan processing microservices using **C# ASP.NET 6 WebAPI**, **Entity Framework Core**, **DbUp**, **Cosmos DB**, **Azure SQL DB**
- Developed new frontend features for internal and customer-facing apps which improved the efficiency of ops teams and the loan application experience using **React**, **Redux**, **Typescript**
- Migrated old and developed new features under a vertical slice architecture to reduce dependencies using **MassTransit** and **MediatR**
- Wrote integration and unit tests with high code coverage targets using a TDD approach for frontend applications using **Enzyme**, **Mocha**, **Chai.js**, **Sinon.js** and backend services using **XUnit** and **Moq**
- Worked with design teams to build reusable **React** components and **CSS** libraries for internal **yarn** packages used across frontend applications
- Maintained and developed new features in legacy services using **C# ASP.NET 4.7** and **Azure WebJobs** utilizing **Azure Storage Queues** and **Azure Service Bus**
- Led production application deployments using **Azure classic releases** and **blue/green deployments** and improved reliability of CI/CD pipelines in **Azure DevOps**
- Improved release cadence by reducing dependencies and coupling in monoliths through migrating APIs and service logic into new microservices and **Azure Functions**

Senior Full Stack Developer

Spacetalk | Adelaide | Full Time | August 2021 – May 2022

An ASX listed global leader in the children's smart watch market providing wearable communication solutions for families to stay safe and connected.

- Developed new APIs built to scale and serve 100k+ concurrent smart watch and mobile app devices using **C# ASP.NET Core Web API**, **SQL Server**, **Identity Framework**, **NUnit**, **Moq** and **Entity Framework Core**
- Built management tools to improve the efficiency of internal teams using **Angular**, **Material**, **HTML** and **Sass** on the frontend and an **ASP.NET Core Web API** backend
- Developed and designed backend APIs for the flagship video calling feature which involved a **Twilio** Video integration and new **Azure Notification Hubs** to reliably deliver iOS and Android push notifications
- Developed several high-impact features that improved device usability and parental controls including wear detection and Bluetooth friend requesting
- Developed and supported new features for the USA and Nordic region expansion including multi-language support and adult consent verification
- Improved CI/CD pipelines and deployed services using **TeamCity**
- Improved bulk diagnostic logging capabilities using **Azure Cosmos DB**
- Setup **Azure WebJobs** to automate storage and **IoT Hub** data clean up tasks
- Improved monitoring in **Azure** with new alerts and app insights across services
- Worked closely with product managers in projects using Agile practices with **Jira**
- Managed **Git** repositories and reviewed team pull requests with **Bitbucket**
- Conducted technical interviews and onboarded new developers

Full Stack .NET Developer

Market Estate | Remote | Contract | September 2019 – August 2021

A real estate digital marketing startup in New Zealand that provides real estate agents a platform to market themselves and their listings through customizable landing pages as well as optimize listing reachability and lead acquisition through analytics and social media advertisement campaigns.

- Developed and designed a new backend service using **C# ASP.NET Core MVC**, **Identity**, **Entity Framework Core**, **xUnit** and **SQL Server**
- Worked closely with designers to build a rich frontend using **Vue.js**, **Grunt**, **Bootstrap**, **Vuetify**, **HTML** and **Sass**
- Integrated **SendGrid** and **Twilio** email/SMS APIs to provide agent notifications
- Integrated multiple **Facebook APIs** including Login, Pages, Marketing and Pixel to automate marketing tasks and provide agents with management and reporting tools over their advertisement campaigns, funnels and page posts

Full Stack .NET Developer

Mineralbox | Remote | Contract | November 2019 – July 2021

A US based mineral asset management business which provides mineral owners a platform to efficiently manage their land royalty interests and enabled owners to seamlessly generate relational associations between assets across multiple organizations, manage permissions within an organization and get real time reports on their mineral interests.

- Developed a multi-tenanted web application using **C# ASP.NET Core MVC, Identity Framework, Entity Framework, xUnit** and **MSSQL**
- Worked with designers to build an application frontend using **Vue.js, Chart.js, Bootstrap, Vuetify, HTML** and **Sass**
- Integrated **Stripe** APIs for user subscription payments
- Integrated **SendGrid** and **Twilio** mail/SMS APIs for account MFA

Full Stack Java Developer

Dimely | Remote | Contract | January 2020 – October 2020

An online lending startup based in Australia which provides small loan services utilizing open banking technology to seamlessly pull bank statements and streamline the identity and income verification process for loan risk assessment.

- Developed new APIs and maintained existing services using **Java Spring Boot, Hibernate, MongoDB** with unit and integration testing using **JUnit** and **Mockito**
- Built new frontend components and features to consume exposed internal APIs using **Angular, Material, HTML, CSS** and **Sass**
- Integrated several payment and finance APIs to automate identity/income verification and loan repayments including **Stripe, Split** and **Basiq**

EDUCATION

Bachelor of Mathematical Science – Major in Computer Science

Auckland University of Technology | 2014 – 2017

Achievements

- Graduated with Distinction
- Chancellor's Outstanding GPA Award 2015

Publications

- Liu, J., Li, L., & Russell, K. (2017). What Becomes of the Broken Hearted? An Agent-Based Approach to Self-Evaluation, Interpersonal Loss, and Suicide Ideation. In *AAMAS'17: Proceedings of the 16th Conference on Autonomous Agents and MultiAgent Systems* (pp. 436-445)