

RENE UPTON

SOFTWARE DEVELOPER

CONTACT

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PROFILE

With over 5 years of experience as a software developer, I bring expertise in both traditional and serverless .NET development. My skills span from backend services using ASP.NET Core and Web API, to serverless architectures using both Azure Functions and AWS Lambda. I possess strong frontend capabilities with Angular, React, and TypeScript. I have extensive experience in database design and optimisation, working with SQL Server, PostgreSQL, and MongoDB. My proficiency extends to implementing clean architecture principles, utilising design patterns, and leveraging cloud services across Azure and AWS for robust, scalable solutions. I've worked on mobile application development using Android Studio with Java and Kotlin, and have a strong foundation in DevOps practices, using tools like Docker, Kubernetes, and various CI/CD pipelines.

SKILLS

- C# / ASP.NET Core / Azure Functions
- Angular / TypeScript / React
- SQL Server / Postgres / MongoDB / DynamoDB
- Cloud Services (Azure, AWS)
- AWS Lambda / Serverless Architecture
- CI/CD - Azure DevOps / GitHub Actions
- Docker / Kubernetes
- RESTful Services / Microservices
- Unit Testing / TDD
- Clean Architecture / Repository Pattern
- Agile / Scrum
- Version Control / Git
- Java / Kotlin (Android)
- Python

Outside of my regular roles, I continually expand my expertise. My portfolio at www.reneupton.com showcases live demonstrations of full-stack .NET applications I've developed.

Working in Agile environments has honed my communication skills, time management abilities, and adaptability. These soft skills complement my technical expertise, enabling effective collaboration in cross-functional teams and efficient delivery of high-quality software solutions.

RELEVANT WORK EXPERIENCE

Software Developer (.NET, Azure Functions, Angular, React, SQL Server)

MISCS - Remote	September 2023 - Present
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- Developed enterprise-level serverless applications using ASP.NET Core and Azure Functions, showcasing C# and OOP proficiency.
- Implemented clean architecture with the repository pattern and dependency injection for modular, maintainable code.
- Designed optimised relational database solutions using Azure SQL Database for high-performance serverless environments.
- Leveraged Azure services (Azure Functions, Azure SQL, Application Insights, Azure DevOps) for compute, storage, monitoring, and CI/CD.
- Used Entity Framework Core for efficient SQL data management, including code-first migrations.
- Created and maintained responsive front-end applications using both Angular and React, ensuring cross-browser compatibility and a seamless user experience.
- Participated in Agile processes (stand-ups, sprint planning, retrospectives) to enhance team productivity.
- Conducted code reviews, promoting quality, best practices, and knowledge sharing in serverless/microservices architectures.

Software Developer (.NET, AWS, Angular, Android, MongoDB, Postgres)

Physical 2 Digital - Brighton	September 2020 - 2023
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- Started as a Junior Android Developer and advanced to the role of a Software Developer, working on all company systems.
- Developed .NET RESTful services using Web API, ensuring scalable solutions tailored to business needs.
- Deployed and managed backend services using core AWS technologies including EC2, S3, RDS, and Lambda to ensure high availability and scalability.
- Utilised Entity Framework for data access, optimising performance and ensuring data integrity.
- Conducted Unit Testing using xUnit. Making use of TDD for newer additions to services.
- Designed, developed and maintained databases from inception, leveraging both Postgres and MongoDB.
- Developed and maintained web applications using TypeScript, HTML, CSS and Angular.
- Developed mobile applications with Android Studio, harnessing Java and Kotlin for frontend, while utilising C# and Python for backend functionalities.
- Frequently utilised tools and platforms like Github, Circle CI, Docker, Kubernetes and Google Cloud Developer Tools to bolster the development process.
- Actively participated in team meetings, ensuring alignment with project goals and collaborative decision making.

EDUCATION

University of Sussex

Computer Science BSc

1st Class Honors

2016 - 2019