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Leewyn Jacobs *(he/him)*

Summary

Senior .NET full stack engineer with 17 years of experience, specialising in building robust web applications using C#, React, SQL, and cloud services (Azure/AWS). I excel in project management, team collaboration, and delivering high-quality results remotely. My expertise includes solution design, unit testing, and documentation.

Skills

C# / .NET Framework / .NET Core
Microservices architecture & design
SQL Server / EF Core
ReactJS / JavaScript / TypeScript
HTML / CSS / Bootstrap / Tailwind CSS
Unit testing (xUnit, Mocking, Vitest)
Azure & AWS cloud services
CI/CD (Azure DevOps, TeamCity, Octopus)
Authentication & security
Project management / Agile / Jira
Technical documentation & writing

Education

Bachelor of Biomedical Sciences
Victoria University of Wellington, New Zealand—2019

Certificate in User Experience (UX) Design
University of Cape Town, South Africa—2016

Certificate in Project Management
CTI Education Group, South Africa—2009

International Diploma in Information Systems Engineering
CTI Education Group, South Africa—2006

Work experience

Tech Lead / Senior .NET Full Stack Engineer
Terem | Remote | Mar 2023—current
- Architected a scalable microservices solution using .NET 8 and AWS services (Lambda, SQS, ECS/EKS), and PostgreSQL, designed for high availability and extensibility to support millions of email and in-app notifications monthly.
- Led technical design and implementation, including RESTful APIs, event-driven workflows, database schema, and integration with existing systems.

UI Lead / Senior .NET Full Stack Engineer
Curiious | Remote | Sep 2023—Feb 2024
- Led ReactJS redesign, boosting mobile-responsive Unity-based metaverse app performance by 30% using Vite, TypeScript, Tailwind CSS, and Vitest / Integrated React Unity WebGL, Auth0, and PubNub, enhancing user authentication and real-time communication.
- Managed C# API and Azure services (function apps, Cosmos DB), reducing build delivery time / Collaborated with UX designer, improving UI with Figma designs and increasing user satisfaction / Enhanced team accountability with Jira & Confluence, and provided live chat user support.

Solutions Architect / Senior .NET Full Stack Engineer
Eastern Bridge | Remote | Dec 2022—Aug 2023
- Managed Linux-based PHP & MySQL conversion to ReactJS, C# microservices on Azure, boosting performance / Implemented Azure DevOps & GitHub Actions for CI/CD, enhancing efficiency and release cadence.
- Collaborated with stakeholders, managed project lifecycle, and offered technical leadership, resulting in adherence to coding standards.

Further study

AI for Beginners
Microsoft—Current

React Web Development Certificate
The Hong Kong University of Science &
Technology (online)—Sep 2022

Python Certificate
University of Michigan (online)—Jul 2022

PostgreSQL Certificate
University of Michigan (online)—Jun 2022

Microsoft Azure Data Fundamentals (DP-900)
Microsoft—Jun 2022

Microsoft Azure Fundamentals (AZ-900)
Microsoft—Jun 2022

Basic Statistics Certificate
University of Amsterdam Davis (online)—Aug
2021

R Programming Certificate
The Johns Hopkins University Davis (online)—
May 2021

Soft skills

Excellent communication / Problem-solving &
adaptability / Time management & leadership
/ Efficient prioritisation, deadline management
/ Attention to detail & conflict resolution /
Emotional intelligence & initiative / Proactive
problem-solving.

Hobbies

Health & fitness (CrossFit, running, hiking) /
Reading tech newsletters & blogs / Learning
languages (French, Spanish & Russian) / Video
& tabletop games / Reading / Exploring
different cultures & foods.

Work experience (cont.)

Senior .NET Full Stack Engineer
Black Pearl Mail | Wellington | Sep 2019—Nov 2022
- Developed scalable web APIs using C# (.Net Core) / Led SQL schema and EF Core adoption, improving data access efficiency / Optimised Azure cloud deployment (web, function & logic apps) and CI/CD pipelines (DevOps, TeamCity, Octo).
- Enhanced user experience with front-end development using ReactJS (Redux, Jest) / Boosted code quality with unit testing (xUnit, Moq, Coverlet), raising test coverage to 90%.

Senior Developer
Critchlow | Wellington | Mar 2016—Aug 2019
- Developed emergency management web solutions, utilising AngularJS, jQuery, C#, HTML, CSS/Bootstrap, SQL, and AWS / Delivered 20+ public sector projects / Mentored 5+ juniors / Conducted on-site requirements gathering, and supplied user training / Managed AWS infrastructure, drafted proposals, and boosted system performance.

Other roles

- **Software Developer @ Spatial Dimension** | Cape Town | Feb 2014—Dec 2015
- **Software Developer @ MIP Holdings** | Cape Town | Jul 2009—Jan 2014
- **Junior Developer @ Pres Les** | Cape Town | Feb 2007—Jun 2009

Volunteering

Software Engineering Lead
Advancing Communities Australia | Remote | Jun—Sep 2023
- Guided UI development for Climate Action Nurses Impact Portal using ReactJS and Node Express, enhancing interdisciplinary collaboration on climate health.