Daniel Coats Senior Software Engineer

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Experience

Senior Software Engineer | Microsoft | Redmond, WA (remote) | February 2019–Present
Working remotely from New York City on a globally distributed team based in Remond. As an engineer on Substrate—the data and compute platform for Outlook and other M365 products—I have:

- Architected and developed a new REST API service backed by NoSQL data store optimized for storing and streaming time series data, achieving significant reduction in transaction costs.
- Led migration of five ASP.NET microservices to .NET Core to improve performance and developer experience, and reduce costs.
- Collaborated with four partner teams to bring their data into our compliant cloud platform and added functionality based on their requirements to unlock new end-user features across M365.

Previously on the OneNote team, I built new features for note-taking in Outlook on the web using React/Redux and Typescript, and contributed new features and accessibility improvements in the Windows Sticky Notes application.

Digital Intern (Software Developer) | AA Insurance | Auckland, New Zealand | April 2018–October 2018
- Evaluated the performance of different classification algorithms for predicting customer intent based on labeled customer support conversations using Python and scikit-learn.
- Deployed the best performing model to AWS S3, queryable through a Lambda serverless API.
- Developed a React JS/Redux TypeScript chat application as a front-end for the model.
- Piloted the application internally and provided recommendations based on user feedback.

Software Engineer Intern | Microsoft | Redmond, WA| November–February 2017 and 2018
- Designed and implemented D3.js data visualization in an Angular web app to enable Microsoft Inside Sales to understand the organizational structure of complex enterprise customers.
- Worked with the Mixer team to build a pipeline for aggregating offline data, surfaced to streamers in realtime via an Angular web application.

Co-founder and Developer | CareerWise | careerwise.school | New Zealand | 2014–2019
CareerWise is a SaaS platform for careers advisors and institutions to connect with their local community about post-secondary opportunities.

- Grew to 22 schools nationwide with $10k annual run rate (acquired by a local company in 2019).
- Responsible for all technical aspects: front-end (HTML/CSS and jQuery) and back-end (PHP and MySQL), devops, and server admin (Linux VPS).

Web Developer | Freelance | danielcoats.nz/work | 2011–2017

Education

Bachelor of Science (First Class Honors) | Computer Science and Statistics | University of Auckland
- GPA of 8.875 / 9.0
- Senior Scholar award for top grades in undergraduate degree program
- Received A+ grade for thesis "A Chatbot for Customer Service in the Insurance Industry"

Skills

Languages: C#, Python, Typescript, JavaScript, SQL, HTML/CSS, PHP
Back-end: ASP.NET, gRPC, Node.js, microservices
Front-end: React, Redux, Angular, Ember