

Ben Munro

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Nationality	New Zealander	Visa	Blue Card

Work Experience

Apr 2017 - Present **Senior Software Developer for Minodes (Telefónica Next)**

Python, PostgreSQL, Docker, Cassandra, AWS, Spark

- Built system for processing mobile network data for location insights in AWS. Using Spark on EMR for data processing and Lambda for the API and orchestration.
- Implemented an ETL system based on Apache Airflow. Created a reporting database for use by the BI team rather than running ad hoc queries against the OLTP system.
- Introduced CI and reproducible developer environments for projects using Docker and BitBucket Pipelines.
- Maintained infrastructure in data centre using SaltStack across a fleet of physical servers and networking equipment.
- Tuning of database performance (Postgres and Cassandra) through optimizing queries and configuration.

Nov 2012 - Mar 2017 **Software Developer for Verizon Telematics**

C#, Javascript, PostgreSQL, RabbitMQ, Docker, Kubernetes

- Lead migration of applications to a services based architecture to reduce duplication and improve reliability.
- Maintained CI and dev/QA environments used by the rest of the company. This included CI running with Teamcity and then deployments to virtual environments using Chef.
- Worked on work order management product suite including components providing real time updates to work orders based off GPS points and reporting on driver efficiency.

Dec 2011 - Feb 2012 **Software Development Intern for Hewlett Packard**

C#, SQL Server, Javascript

- Reimplemented legacy dashboard application using web technologies.
- Developed backend system for gathering data from a variety of sources and consolidating into a common format. This exposed a plugin model to allow for easy extension in the future.

Education

2010 - 2012 **Bachelor of Science in Computer Science**

University of Canterbury, Christchurch, New Zealand