

Canaan McKenzie

1.802.755.6872
canaanmckenzie@protonmail.com

linkedin.com/in/canaanmckenzie
canaanmckenzie.uk

Technical skills

- Full stack development (Node.js, React.js, DynamoDB, Docker, AWS)
 - Data analytics (Python, Apache Spark)
 - Database management (PostgreSQL, DynamoDB, SQLite)
 - Project management with Azure DevOps
 - Programming in Python, SQL, JavaScript, Elixir, Scala, Java
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Experience

Business (Data) Analyst, *State of Vermont, Agency of Digital Services* Apr 2023 – Oct 2023

- Developed detailed process diagrams and requirement architecture for the State of Vermont's digital Medicare/Medicaid Data Warehouse and Data Lake projects.
- Mapped business clients' user stories to validated requirements in Azure DevOps.
- Migrated and consolidated state-wide Medicare/Medicaid reporting software and processes as part of the upgrade to a new state database architecture.

Freelance Software Engineer, *Bugcrowd* Jan 2021 – Apr 2023

- Provided contract services in data security and access rights to Bugcrowd clients.
- Performed penetration testing and audits on behalf of Bugcrowd clients, catalogued and submitted security reports to client security teams.
- Designed data pipelines and schemas with Apache Spark and Apache Kafka, provided detailed analyses with PySpark.

Scientist I, *Vaxcyte* Aug 2020 – Jan 2021

- Research scientist developing methods and processes for industrial robotics in the high-throughput analysis of vaccine candidate formulation.

Analytical Chemist, *Pacific Biolabs* Jan 2019 – Aug 2020

- Routinely analyzed large datasets from High Performance Liquid Chromatography (HPLC), Enzyme-Linked immunosorbent assays (ELISA), Western/Southern blot, Gas chromatography-mass spectrometry (GC-MS).
 - Maintained fault-tolerant databases to avoid data loss/system failure in a federally regulated environment.
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Education

Bachelor of Science in Mechanical Engineering, Minors in Computer Science and Mathematics 2012–2017
The University of Vermont
