Canaan McKenzie

canaanmckenzie.uk

Technical skills

- Full stack development (Node.js, React.js, MongoDB, Docker, AWS)
- Data analytics (Python, Apache Spark)
- Database management (PostgresSQL, MongoDB, SQLite)
- Project management with Azure DevOps
- Programming in Python, SQL, JavaScript, Elixir, C, C++

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   *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.

Education

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