

Benjamin Butmir

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Professional Summary

A self-starter with a passion in combining biochemistry with computer science to solve real-world problems in the field of medicine and engineering. Committed to learning and bettering self by stepping out of comfort zone. A strong cross-functional worker with a proven history of enhancing workplaces through automation and alleviating pain points of colleagues and the company.

Professional Experience

Full Stack Developer, *Public Health Agency of Canada (PHAC)*

August 2021 – Present

- Helping lead the concept, design, and implementation of a complete web framework for a cross-functional team encompassing various data sources.
- Learning, using, and teaching others about leading edge technologies involved in the project including but not limited to: Django REST Framework / Django Ninja, Swagger API, GraphQL, React / React Native, Redux, PostgreSQL, Docker, and Azure VMs.
- Scrum Master of team leading the Azure DevOps space and onboarding other partners/team to the platform through orientation material and pre-made templates.
- Front-end graphic and UI/UX design using Figma to demonstrate potential capabilities and receive feedback.

Software QA Engineer, *Interset / Micro Focus*

April 2020 – August 2021

- Quality Assurance engineer for company's unsupervised AI/ML insider security threat detection.
- Utilize scripting languages (Bash / Python) to perform product installs and bug fixes on the software stack for both on-premises and on AWS cloud.
- Analyze, replicate, and fix raised defects to meet client stakeholder requirements.
- Developed automation testing tools to increase testing efficiency and performed manual testing as needed for certain edge cases.
- Creates and snapshots VMs while being mindful of resources and ongoing testing priorities.
- Work with development tools including JIRA, Jenkins, GitHub, TestRail, Slack, MS Teams.
- Use various software tools such as Apache Spark, HDFS, Hive, Vertica, Kafka, Storm, Elasticsearch, Ambari, Cloudera, CDF, Kubernetes, HBase, Zookeeper, and YARN.

Intermediate R&D Scientist, *Abbott Point of Care*

June 2019 – April 2020

- Created procedures for lab operators to conduct experiments and analyzed the results to generate reports used in FDA 510(k) submissions for *in vitro* medical devices.
- Wrote and validated SAS JMP scripts to automate data analysis for data analysts, scientists, and engineers.
- Analyzed Big Data, organized experiments, interpreted results, and used Data Visualization to draw conclusions using software such as SAS JMP 14, Minitab 18, R, Power BI, and Excel Analyse-It.
- Worked with Design Control elements which include: Planning, Input Requirements, Outputs, Design Reviews, Verifications, Validations, Change Control and Design History Files.
- Created and followed Standard Operating Procedures (SOPs).

Education and Self Learning

B.Sc in Biochemistry, Carleton University, *Ottawa, ON*

April 2019

- Courses taken from a variety of fields from biology, chemistry, biochemistry, bioinformatics, computer science, psychology, linear algebra, statistics, biotechnology, business, and pharmacology.

LinkedIn Learn, *Online*

- Learning Django, Learning React.js, Learning React Native, Building RESTful Web APIs with Django

Udemy.com, *Online*

- Machine Learning A-Z (Python & R), Artificial Intelligence A-Z, Deep Learning A-Z, SQL Bootcamp, Bioinformatics, Windows Server 2016 Basics.