

Albara Mehene

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Professional Experience

Software Engineer II, BAE Systems, Burlington, MA

January 2022 - Present

- Created a web application that alerts and monitors live network traffic between multiple radio platforms to measure better metrics using React.js and PostgreSQL.
- Developed new features and tools in C++ for aircraft control & a messaging system used in real-time using Python.
- Maintained and extended software running on radio platforms using Python to translate coordinates and communicate between multiple devices.
- Refactored and decoupled multiple core legacy components to utilize newer developer tools, resulting in over 30% reduction in build time and faster testing.
- Led & migrated CI/CD environment from BitBucket to Gitlabs to gain access to newer tools and functionality such as Docker.

Software Engineer I, Raytheon Technologies, Woburn, MA

June 2019 – December 2021

- Developed and maintained tools in C++ that helped improve functionality and efficiency by implementing a UI with additional features and capabilities for radar runs.
- Implemented automation scripts to facilitate a CI/CD environment used for Jenkins & GitHub Actions.
- Designed and implemented scripts using Python that parsed and inserted data to different databases to reduce the number of steps for a six sigma project.
- Presented and monitored database metrics in MYSQL through analytic tools such as Grafana.
- Refactored and refined legacy code in support of a migrating effort to newer technologies for the team.

Software Support Engineer Co-op, Kronos Inc., Lowell, MA

January 2017 - June 2017

- Worked on unit tests to help ensure code quality & better production.
- Resolved tickets created by customers through community pages while on-call.
- Handled a large volume of tickets in a comprehensive and timely manner.

Education

University of Massachusetts Lowell, Lowell, MA

B.S in Computer Science, Graduated Spring 2019 | Lowell, MA

Cisco Networking Academy

- Certificate in Cisco “IT Essentials,” “Networking for Home and Small Businesses,” and “Working at a Small-to-Medium Business or ISP.”

Skills

- **Programming Languages & Libraries:** Python, JavaScript, React.js, C++, C, SQL, InfluxDB, HTML, CSS
- **Technologies:** Git, Jenkins, Node.js, Grafana, AWS, Docker, Flask, Bitbucket, Clearcase, IoT
- **Operating Systems:** Windows, Linux (Ubuntu, Debian, RedHat)

Personal Projects

Nutrimi (React & AWS)

- IoT device that automatically orders food combos at the press of a button similar to Amazon Dash Button.
- Designed and implemented front and back-end using React Native that works in sync with the Amazon Dash Button.