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 l, **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
- Used Python to implement scripts that insert and parse data into MySQL databases helping reduce the number of steps required for a Six Sigma project
- Implemented automation scripts to streamline the CI/CD process for Jenkins and GitHub Actions
- Presented and monitored database metrics for stakeholders through analytic tools such as Grafana
- Refactored and refined legacy code for better maintainability and 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, NoSQL, 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.