

Michael D. Johnston

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SUMMARY

Passionate leader and team member with a robust background and a strong commitment to creating innovative solutions and end user experiences. Proficient in leading teams through complex projects and delivering high-quality results. Adept at integrating data-driven insights into project management decisions and fostering a collaborative environment. Committed to enhancing operational efficiency and project success across all organizational domains.

EDUCATION

University of Colorado Colorado Springs

Colorado Springs, CO

Bachelor of Innovation (BI), Computer Science, *cum laude*

*Bachelor of Science enhanced with business law, entrepreneurship, and consulting

SKILLS AND EXPERIENCE

- **Programming Languages:** Proficient in C, C++, Java, JavaScript (ES6), and Python.
- **Web Development:** Experienced with Node.js, Express.js, HTML, CSS, EJS, and JavaScript (ES Modules) applications deployed on cloud-based Linux servers with NGINX routing and Certbot SSL certification.
- **Containerization:** Deployed applications that utilize third-party containers as well as personal applications containerized through repository automation and managed on deployment servers with Docker.
- **API Integration:** Strong understanding of asynchronous programming and experience using Axios and Postman for API testing and integration.
- **Version Control:** Skilled in GitHub for source control and collaborative development.
- **CI/CD:** Built and optimized secure end-to-end CI/CD pipelines for seamless code deployment. CircleCI service utilized to execute repository triggered actions for application updates, container retrieval, build testing, and monitoring.
- **Testing & TDD:** Familiar with Rspec, FactoryBot, and JUnit 5, with a solid foundation in test-driven development.
- **Cloud Services:** Experienced with AWS, Linode/Akamai, and Heroku for cloud infrastructure management. Launched and maintain several cloud-based servers providing web applications and database operations.
- **Databases Management:** PostgreSQL and MongoDB currently used. Developed Python and SQL scripts for data manipulation and interchange between databases.
- **UX/UI for Databases:** Built web-based applications using JavaScript with Mapbox service integration for enhanced database visualization user experiences.
- **Prototyping:** Created prototypes for mobile applications using Axure.
- **Project Management:** Developed comprehensive project plans, decomposed tasks, and managed timelines and resources for military operations and civilian technical consulting. Experience with Jira, Trello, and Notion for project tracking.
- **Agile Methodology:** Applied Agile principles in SaaS development to improve product delivery and team collaboration



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EMPLOYMENT EXPERIENCE

Team/Department Manager

Warrior Transition Battalion, Fort Carson, United States Army

- Assumed multiple leadership roles for a remote care department post-restructuring, managing 20-36 employees, coordinating military and medical tasks across 6 states.
- Coordinate with multiple departments and levels of management for on-site multiday events, arranging the funding, travel, and lodging for remote employees and families from 6 states.
- Track performance metrics across company and develop improvement plans
- First National Guard member of organization to attend Advanced Leaders Course, graduating first in the class as Distinguished Honor Graduate.

Organization Operations Trainer

Arizona Pre-Mobilization Training Assistance Element (AZ PTAE), Arizona Army National Guard

- Developed, coordinated, and executed training based upon strategic organizational goals for both domestic and international region dependent operations.
- Planned, organized, and executed the three-day Arizona Best Warrior Competition, Successful execution resulted in selection to provide training outline, supervision and execution for Arizona's representatives in the Army's Best Ranger Competition.
- Created, with three person team, a two-week, residential fitness and well-being camp, assisting approximately 800 employees.
- Coordinated with internal and external organizations for resource gathering, personnel acquisition, and operational funding.

PERSONAL PROJECTS

- Johnston-M.com, DoctorWhodabase.com: Developed responsive web applications with secure connections, server-side actions, and hosted across multiple cloud-based servers.
- API Integration Projects: Implemented key and bearer token authentication with robust error handling. Johnston-M.com/apiAuthsSecrets
- Interactive Historical Activity Map: Built using Mapbox, enhancing user engagement with historical data and multimedia. Johnston-M.com/uap
- DoctorWhodabase.com, Magic Collection Database: Developed a cloud-based PostgreSQL and MongoDB database application performing dynamic SQL queries.

ADDITIONAL INFORMATION

- 15 years of experience successfully leading teams and navigating uncertain situational and human terrain within environments of changing stress levels and priorities.
- Determined problem solver that thrives within project immersion and dedicated to growing depth of knowledge to assist end users, teammates, and organization.



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[Johnston-m.com](https://www.johnston-m.com)



github.com/md9j

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