

Christopher Diasanta

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EMPLOYMENT

Mission Technologies, a division of HII **Associate Software Engineer**

Sept 2021 - present

- Researched different technologies providing documentation of benefits, drawbacks and setup process
- Collaborated with research and development team to create new and innovative features for new and existing software applications
- Refactored frontend and backend applications to improve performance, ease of understanding and maintenance
- Designed and developed RESTful APIs using Spring Boot, integrating with frontend components and external services.
- Leveraged monolithic code and refactored it into a microservices architecture preserving core functionality.
- Built and deployed new features in a Dockerized microservices architecture, improving modularity and scalability while ensuring robust performance across multiple services
- Managed and upgraded project dependencies to eliminate security risks, improving overall system stability and mitigate security vulnerabilities
- Migrated from the old ORM to Spring JPA framework, which enhanced performance and streamlined database interactions.
- Utilized CUDA to offload processing to a GPU, resulting in a reduction in computation time and enhanced efficiency
- Supported live software demos at conference booths, assisting in technical troubleshooting, answering attendee questions, and promoting product features to prospective clients.

SKILLS

Concepts	Object-Oriented skills, Data Structures & Algorithms, Microservice Architecture, Relational/Graph Databases, logic/relational programming, SPA Applications and REST APIs
Languages	Java, Scala, C#, C++, HTML, CSS, JavaScript, Python, SQL, Vue.js, React
Tools	Spring Boot, JPA, Maven, Gradle, Docker, nginx, D3.js, Kafka Unix/Linux systems (RedHat Linux), Windows Subsystem for Linux Jira, Confluence, Git, Postman Eclipse, Visual Studio, IntelliJ, Vim, and Emacs Scripting (Bash and Python)

EDUCATION

Old Dominion University, College of Science
Bachelors of Science in Computer Science

Norfolk, VA
December 2020

Tidewater Community College
Associate of Science in Computer Science

Norfolk, VA
May 2018