

Goal

To hold a senior position in the computer field where I can utilize and further develop my technical skills.

Skills

- Programming experience in Java, Spring, Spark, Go, Ruby, Ruby on Rails, JavaScript, NodeJS, HTML, CSS, Elasticsearch, MongoDB, DynamoDB, MySQL, PostgreSQL, Bash Scripting, Junit, Rspec, Mockito testing
- Proficiency and experience in SCRUM framework, Docker, Microservices and continuous integration environments

Programming Projects

Match-Rules

Frederick National Laboratory for Cancer Research

- Created a rules engine to handle business logic using Drools.
- Increased business logic decision making by 66% compared to previous implementation.
- Lead team in automation of deploying code to production.

Pediatrics-MATCH

Frederick National Laboratory for Cancer Research

- Helped design microservice system architecture.
- Delegated tasks and motivated team.
- Constructed token authentication using OAuth.

MOIP

Frederick National Laboratory for Cancer Research

- Implemented VCF parser using a factory pattern in Rails.
- Designed own logic creator for business rules of project.
- Helped execute Rspec tests for MVC framework.

MATCH

Frederick National Laboratory for Cancer Research

- Refactored code to implement appropriate design patterns.
- Made code base modular for ease of porting into new environments.

RSCS/LTCS

Leidos

- Optimized creation and passing of JSDL message from front-end to middle-ware.
- Implemented video and controller feed for surrogate boat.

Experience

Frederick National Laboratory for Cancer Research

Senior Software Engineer, Rockville MD

August 2014 – Present

- Designed and implemented front-end, middle-ware and back-end software
- Helped implement AWS microservices design pattern
- Acted as team lead for multiple microservices built
- Created project-specific integrated test frameworks

Leidos

Software App. Engineer II, Arlington, VA

September 2013 – August 2014

- Executed code Generator in Python
- Mentored junior software engineer in further developing skills
- Assisted in deploying code to end product

SAIC

Software App. Engineer I, Lexington Park, MD

March 2011 – September 2013

- Designed software for monitoring network equipment and LDIF systems
- Acted as System Administrator for Research and Design network

Education

Towson University, B.S. Computer Science