

# DAVID FASTJE

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## EXPERIENCE

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### Capital One

*Software Engineer, Senior Associate*

Aug. 2017 - June 2018

*Richmond, VA*

- Primary developer for three microservices using Java, Maven, and AWS (EC2, Lambda, S3, SQS)
- Performed multiple end-to-end tests in production environment for business-critical application
- Developed two Java libraries used across multiple teams and applications for security and code reuse
- Employed 90% code coverage for all code by writing unit tests using JUnit, Mockito, and Powermock
- Re-tooled product with microservice architecture to comply with security standards
- Developed functional tests for individual microservices using Cucumber
- Implemented CI/CD pipeline with Jenkins in four microservices

### General Motors

*Java Developer*

June 2015 - June 2017

*Chandler, AZ*

- Contributed to development of mission critical supply chain and warehousing applications using Java (Spring), SQL, JavaScript (Angular), Batch, Tomcat, WebLogic, IntelliJ, and Eclipse
- Administered continuous integration and code quality tools for team using Jenkins and Maven
- Directed branching and merging of code for several simultaneous development life cycles
- Managed and maintained all WebLogic and Tomcat web application servers for projects
- Led development of kiosk web application module for warehousing project
- Organized and managed production release of global application
- Collaborated with business to determine development requirements
- Led team subgroups in development of application features

### Center for Gamma-Ray Imaging

*Research Assistant*

May 2011 - May 2015, 1 Year Hiatus

*Tucson, AZ*

- Validated experimental results by programming Monte-Carlo simulations using MATLAB
- Acquired and analyzed large data sets from experiments using C, MATLAB, and Labview
- Experimentally determined optimum scintillator and geometry using PMTs and SPECT cameras
- Researched, designed, and troubleshooted all aspects of SPECT imaging systems
- Designed, constructed, and tested neutron and gamma-ray imaging systems
- Presented and published research on multiple occasions

## TECHNICAL STRENGTHS

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### Computer Languages

Java (Spring), C, SQL, XML (Maven), MATLAB, Labview

### Code Management

Git, SVN, TFS, ALM, Jira

### IDEs

IntelliJ, Eclipse, Sublime Text, SQL Developer, TeXstudio

### Ops Tools

AWS(EC2, ECS, Lambda, SNS, SQS, S3), Docker,  
Jenkins (CI/CD pipelines), Oracle WebLogic, Apache Tomcat

## EDUCATION

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### University of Arizona

May 2015

B.S. in Physics; Minor in Mathematics

**Courses** Program design and development (Java); Computational Physics (C);

Experimental Physics I, II, III (IGOR, LaTeX, MATLAB)