

Summary

I develop enterprise Java and Spring web applications and am passionate about the work I engage in. That passion has driven varied interests that I have incorporated into my professional portfolio ranging from the core Amazon Web Services, the Docker platform, and a healthy dose of DevOps tools and practices. Goal-oriented with a focus on the entire software development cycle. I live in Linux and I also like maps, mathematics, and other programming languages!

Experience

Software Developer

April 2014 - Aug 2018

BNL Consulting, LLC.

- Designed, developed, or contributed to seven (7) client projects.
- Designed and implemented automation of component processes for client's existing application workflow resulting in a geometric increase in customer capacity for their commercial service offering.
- Technical lead for internal research project that containerized existing client application and subsequent deployment using Infrastructure-as-Code, configuration management, container orchestration, and public/private cloud platforms.
- Core developer for two (2) year client project that entailed refactoring existing application from .NET to Java, implementing RESTful web services, improving ETL and analytics processes, expansive search functionality, and data modeling.
- Contributed to the development of business intelligence / analytics web applications utilizing Javascript, AngularJS, and d3.js.
- Authored blog posts [Cloud-First Microservices: AWS API Gateway and Lambda in Action](#) and [Visualizing Clusters with ArcGIS for Flex](#).

Education

Credit Hours towards

Aug 2011 - Dec 2013

M.S. in Computer Science

University of Tennessee at Chattanooga

- Graduate Teaching Assistant for two (2) semesters
- Graduate Research Assistant for two (2) semesters

Post-Baccalaureate in Computer Science

July 2011 - May 2012

University of Tennessee at Chattanooga

Bachelor of Arts in Geography

Aug 2007 - May 2011

University of Tennessee at Knoxville

- Award recipient at the Exhibition of Undergraduate Research and Create Achievement (EURéCA).
- Contributed to the open source Census Mapping Tutorial developed by Dr. Bruce Ralston.
- Tutor at the UTK Math Tutorial Center.

Skills

JavaScript & Web Technologies

ES2015, NodeJS, Babel, Yarn, Webpack, ReactJS, CSS Preprocessors

Java

JDK 11, Java Persistence API (JPA), Hibernate, JUnit, Maven, Gradle, Lombok, Immutables, Quartz

Spring

Spring Framework, Spring Boot, Spring Security, Spring Web MVC, Spring Data, Spring Batch

Databases & Datastores

Oracle + PL/SQL, PostgreSQL + PL/pgSQL, MySQL, Redis, MongoDB, DynamoDB, Solr

Amazon Web Services

Lambda, API Gateway, Virtual Private Cloud (VPC), Elastic Compute Cloud (EC2), Simple Storage Service (S3), Elastic Block Store (EBS), Identity Access Management (IAM), Elastic Load Balancer (ELB), Route 53, Relational Database Service (RDS), DynamoDB, AWS CLI

DevOps

Jenkins, Docker, Ansible, Packer, Terraform, Consul, Nomad

Computer Science & Software Engineering

Inversion of Control (IoC), Aspect-Oriented Programming (AOP), Object-Relational Mapping (ORM), Continuous Integration / Continuous Deployment (CI/CD), Configuration Management, Container Orchestration, Service Discovery, Secrets Management, Asymptotic Analysis

Certifications

- AWS Certified Developer - Associate
- Adobe Certified Expert Flex 4.5