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Summary

Full-stack Java developer. Experienced in Java 11, Spring Framework 5, HTML5, CSS/SASS, React, Angular v6-7, Node.js, jQuery, Bootstrap v4, RxJS, and JavaScript/TypeScript. Familiar with responsive web designing using SASS, JSS, CSS Grid, CSS Flexbox, and Material UI. Wrote interactive pages, forms, and tables using Angular and React/Redux. Experience with JavaEE 8, Spring Framework 5, and Hibernate. Familiar with best programming practices and software design patterns.

Education

Rutgers University New Brunswick, New Brunswick, NJ
Bachelor of Science: Computer Science, Mathematics, September 2011 - May 2015
GPA 3.142

Technical Skills

Primary skills:
- 6+ years with Java and Maven, 2 years with JavaEE, JAX-RS, JPA, Spring Framework 5
- 4 year with JUnit 4-5, Mockito, and PowerMock
- 3 years with Node.js
- 4 years with HTML5, CSS3/SASS, JavaScript (ES6)/TypeScript
- 4 years with CSS Flexbox, CSS Grid
- 1 year with React, Redux, Material UI, Jest, Lodash/FP
- 1 year with Angular (v6-v7), Angular Material, RxJS, and Karma/Jasmine
- 5 years with SQL (primarily MySQL)
- 2 years with Hibernate
- 2 years with Python
- 10+ years with GNU/Linux, Bash shell, GNU Coreutils
- 1-2 years with AWS: Lambda, Cognito, API Gateway, RDS.
- Understanding of the design and analysis of data structures, algorithms, and design patterns

Version Control System:
- Git CLI
- GitFlow workflow

Tools:
- Emacs
- Eclipse
- VS Code
- Maven
- Gradle
- Webpack

Work Experience

Kessel Run

Project	ODIN Aircraft Schedule
Date	May 2020 – October 2020
Description	Web application for scheduling U.S. Airforce aircraft events, such as flights and maintenance
Responsibilities	• Full-stack responsibilities with paired programming. • Implemented several design patterns, such as factory method and state, to refactor the application to support several different domains of scheduled events and add flexible pivot points to the code base. • Streamlined legacy code with functional programming techniques using Lodash/FP. • Flexibly style React components with Material UI and CSS Grid. • Write database migration scripts in SQL. • Write back-end components with Spring and Hibernate • Handle REST API responses with Redux and asynchronous programming. • Test REST API with Spring Cloud Contract.
Software/Languages	Java 8, Java EE 8, Spring Framework 5, Spring Cloud Contract, Hibernate, Gradle, React, Redux, Lodash/FP, Material UI, JSS, CSS Grid, Jest, JUnit 5, Mockito

UnitedHealth Group

Project	ODX Framework
Date	2019 September – 2020 April
Description	Java 11 upgrade
Responsibilities	• Upgrade large legacy back-end system from Java 7-8 to Java 11. • Update dependencies via Maven to be compatible with change, using dependency management as necessary to resolve redundancies across interdependent modules and subprojects. • Revise and test JUnit test cases and Mockito/PowerMock code alongside refactored code. • Refactor Spring Framework to Spring Framework 5. • Refactor Hibernate to Hibernate 5. • Refactor Caché ObjectScript code. • Resolve web portal defects.
Software/Languages	Java 11, Java EE 8, Spring Framework 5, Hibernate 5, Red Hat JBoss 7.2, Maven, JUnit 4-5, Mockito, PowerMock

Morgan Stanley

Project	DealDocs
Date	2019 April – 2019 July
Description	Build document pipeline from deal and document repositories to persistent storage. Each repository has different REST API's, so ad hoc code is necessary for each vendor.
Responsibilities	• Focus on downloading and processing deal and document data from DebtDomain vendor. • Build web client that handles requests and authentication credentials. • JSON processing via Jackson • Handle compressed downloads. • Aspect-Oriented Programming to handle cross-cutting concerns across heterogeneous ad hoc code
Software/Languages	Spring 5, Jackson, JDBC, SyBase

Project	ClientCentral
Date	2019 February – 2019 April
Description	REST API for managing client portfolios
Responsibilities	• Implement data pipeline from KDB to SyBase • Wire beans via Spring Bean XML configuration. • Future-proof column-mapping logic via bean properties and reflection. • Use JPA to handle table generation and column definitions. • Use caches to optimize memory hierarchy at application level.
Software/Languages	JAX-RS, JPA, Spring 5, Hibernate, KDB, JDBC, SyBase

ACORD Solutions Group (ASG)

Project	iOrchestrate
Date	2018 August – 2018 October
Description	Use Angular, AWS, and Node.js modules to create a serverless website that provides views to SOAP/XML message status logs.
Responsibilities	• Responsive web design using Bootstrap, SASS, and Flexbox. • User registration form using Angular Reactive Forms and Angular Material. • Share data asynchronously across components via services. • Generate dynamic table components using Wijmo. • Unit test services via Jasmine.
Software/Languages	Angular, Karma/Jasmine, RxJS, HTML5, SASS, TypeScript, Angular

	Material, Angular Reactive Forms, Bootstrap v4, Wijmo, AWS, Webpack

Project	ASG Portal
Date	2017 April – 2018 July
Description	Portal site to several services provided by ASG.
Responsibilities	• Maintain Node.js server instance on remote system. • Maintain AWS Cognito user pools and user databases across multiple staging environments. • Write several Java projects for AWS Lambda to send MySQL queries to databases as back-end services for the website accessed by REST API's. Deploy AWS Lambda functions and AWS API Gateway REST API's across multiple staging environments. • Write pages for login, password reset, registration, profile, etc., and integrate them with back-end API's. • Authorize REST API requests according to user role. • Use functional programming techniques to transform data to multiple formats to be consumed by multiple views. • Write Angular POC's for the latter versions of the project. • Responsive web design with Bootstrap v3, media queries, and Flexbox. • Debug with browser inspection tools.
Software/Languages	Node.js, Express.js, jQuery, Bootstrap v3, DataTables, AWS, JavaScript (ES6)/TypeScript, Angular, RxJS, CSS3/SASS, Java, MySQL, Webpack

Chubb Group of Insurance Companies

Project	Solr front-end
Date	2016 March – 2016 December
Description	Refactor legacy website which provides views for querying and displaying Solr server.
Responsibilities	• Read and comprehend about 8,000 lines of legacy code. • Refactor DOM and raw HTML strings in legacy code to jQuery. • Fix AJAX requests to Solr server.
Software/Languages	HTML, CSS, JavaScript, jQuery, Ajax, Solr, Hive, Kerberos

Project	Data Pipeline
Date	2015 July – 2015 December
Description	Process data in HDFS via Hadoop's MapReduce framework
Responsibilities	• Code a custom input reader in Java to parse input into records to feed to the mapper.

	• Write data back to HDFS.
Software/Languages	Java, Hadoop, HDFS, MapReduce, Kerberos