JAMES POWELL – SOFTWARE ENGINEER

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EDUCATION: Bachelor of Science, Mechanical Engineering Louisiana State University, Baton Rouge, LA August 2008

Java Back-end Engineering Immersive Course, The Iron Yard, Charleston, SC April 2016

OVERVIEW:My software development experience spans multiple applications built on the Java stack and I am always seeking to learn and do more.. I have 7 years of engineering experience in the offshore oil & gas, and predictive maintenance industries complemented with additional experience in the fiberglass piping and aerospace industries.

EXPERIENCE

Software Engineer Analytic Strategies LLC, New Orleans, LA

June 2016 – Present

• Develop automated functional tests using Java, JUnit, Selenium, and Oracle DB.

• Work in a SCRUM environment.

• Use a dedicated build server to run a regression test suite for all new stories.

Mechanical Engineer Jacobs Engineering Group, Metairie, LA

Sept. 2011 – April 2015

• Served as mechanical engineer supporting Royal Dutch Shell Cardamom and Blast Wall projects.

• Coded pipe flow and strength analysis tools using VBA in MS Excel - Maximum pipe pressure rating, pressure drop/system curve, orifice/pump sizing.

Reliability Engineer Oceaneering International Inc, Lafayette, LA

Sept. 2008 – Aug. 2011

• Product owner for predictive maintenance web application development - Vibration analysis, oil analysis.

• Coded Monte Carlo simulation to predict machine failure using VBA in MS Excel.

Internship Lockheed Martin: Space Systems Company, New Orleans, LA

Summer 2006 & Summer 2007

• Served in the stress analysis engineering group supporting the space shuttle external tank thermal protection system.

Internship Future Pipe Industries, Gulfport, MS

Summer 2005

• Ground-level experience assembling complex machinery for new fiberglass pipe manufacturing plant.

SKILLS

Languages	Programming Philosophies	Databases	Frameworks/ Libraries	CAD	Computational
Java	Object-Oriented	H2	Spring Boot	AutoCAD	Caesar II
Clojure	Functional	PostgreSQL	Spark Java	Solidworks	MS Excel
SQL	REST	Oracle	JavaFX	Rhinocerous	MatLab
Javascript	Object-Relational Mapping		jUnit		
HTML	Agile/Scrum		DevTools		
CSS			Mustache		
Git			Hiccup		
VBA			JQuery		
			Websockets(Stomp, SockJS)		
			JSON(various)		