**Michael Davis**

505 Marley Pointe Court, Glen Burnie MD 21060

Phone: (281) 224 – 6402 E-mail: m6428@hotmail.com

**Innovative Application Developer**

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| **Java: (Ten Years Approx.)** | Implemented and tested software components (Swing GUI, Database Interaction, and Parsing) for validation and verification. |
| **Reporting and Analytics:** | JFreechart, AngularJS, Javascript, Amchart, and Underscore.js |
| **C++/C# Programming:** | Designed (Preliminary and Detailed), implemented, and tested software from requirements. |
| **UI/Client (Over Five Years)** | AngularJS 1.64, ExtJS, Javascript, HTML, CSS, Bootstrap, JSP, Eclipse RCP, and Less |
| **Operating Systems:** | Linux, Unix, and Windows |
| **IDEs:** | Net Beans, Eclipse, and Microsoft Visual Studio C++.net |
| **Integration Skills:** | SNMP processing, Bash Scripting, Python, Perl, and Make |
| **Middleware:** | Apache, Tomcat, JBoss, WebLogic |
| **Server Technologies:** | (J2EE), EJB 3.1, Spring 4.0, JPA |
| **Team Products:** | GIT, SVN, JIRA, Redmine, and Clearcase |
| **Ruby/Rails:** | Implemented a ruby ingestion module (3000 LOC) and prototype Rails (version 4) application |

**Professional History**

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| **Senior Application Engineer, Travelers** | **Nov 2016 – Present** |

* Implemented quality and efficient code utilizing frameworks and libraries with a minimum amount of code (five lines or less for each function).
* Identified dependencies and necessary requirements during User Story refinement sessions.
* Performed peer reviews to ensure product code satisfied industry standards, utilized custom and imported frameworks, and adhered to design decisions.
* Enhanced web pages using JavaScript, C#, JQuery, and CSS/HTML.
* Transform business requirements into technical activities.
* Performed complex analysis, assessment, resolution, design, and testing.
* Identified, estimated, and prioritized project assignments/enhancement activities by collaborating with project team and other key stakeholders.
* Created modules, services, components, and directives using AngularJS.
* Customized visualization of web pages using Less for both desktop and phone usage.

**Accomplishments**

* Assisted the team in reducing defect density from 11.8% to 5.6%.
* Received a spot award for work performance.

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| **Senior Application Engineer, SC3 (Contractor)** |  |

* Created web pages, reports, and rest services for the Army using AngularJS, Bootstrap, Spring, Java, and JPA**.**
* Translated prototype designs into HTML and CSS elements.
* Created logic and services to initialized and persist the data on AngularJS web pages.
* Implemented and enforced business rules in the application with validation and database relationships.
* Reused AngularJS components to prevent duplication.
* Used directives to create code that is more maintainable and cleaner than its predecessors.
* Used UnderscoreJS to create TreeMap logic that is more maintainable than an infinite amount of for-loops.
* Implemented AngularJS’s Model-View-Controller which reduced production time.
* Utilized Spring’s Dependency Injection to write fewer dependent and tightly coupled Java objects.
* Created Spring Controllers to act as endpoints for Client REST Service calls.
* Created Spring Domain objects for ORM.
* Created Spring Repositories for HQL queries into the Oracle database.

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| **Software Engineer IV , KEYW** | **Jun 2014 – Dec 2015** |
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* Maintained and enhanced a network monitoring tool using SNMP (version three), Java, Ruby, and Perl 5.41.
* Collected raw data, created algorithms, and produced reports.
* Designed and implemented Java modules.
* Provided leadership, training, and mentoring for the junior developer on my team.
* Submitted analysis, updates, and prototypes (design only) for customer reviews.
* Directly gathered requirements from the customer.
* Translated requirements into Use Cases.
* Implemented CRUD operations into the database using SQL.

**Accomplishments**

* Independently and solely designed, implemented, and evaluated a software update to a product that saved the customer an estimate of $200,000 in six months.
* Received a spot award for work performance.

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| **Software Engineer III , Northrop Grumman** | **Aug 2012 – Jun 2014** |

* Provided integration testing, junior member training, and developed automated test suites.

**Accomplishments**

* Independently designed, implemented, tested, and maintained the java test modules, bash scripts, and python scripts.
* Solely responsible and the expert for over 40% of the SWIT products as a junior member.

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| **Software Engineer II, Harris Corporation** | **Oct 2009 – Jun 2012** |

* Developed modules and reports using Java, BEA services, Eclipse RCP, JFreechart Utilities, and EJB 3.1.
* Translated datasets into parameters usable by JFreeCharts’ API to produce reports and graphs.
* Utilized polymorphism to respond to the similar data types and applied different business rules for each data type.
* Created data access objects using prepared statements to perform CRUD operations on the Oracle database.
* Created and modified Servlet’s doPost and doGet methods for client interactions.
* Implemented business logic into Enterprise Java Beans.
* Implemented threading for asynchronous displays of graphs and tables.

**Accomplishments**

* Resolved five DRs/PTRs per month using the Agile Software Development methodology.
* Successfully designed, implemented, tested, and verified 115 low and medium level tasks on schedule, with additional enhancements, and without any supervision.

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| **Software Engineer II, Raytheon** | **Jan 2007 – August 2009** |

* Developed projects using Java, C++, SQL, TCP/IP and UDP connections, JavaScript, and Makefiles.
* Supported three projects utilizing skills in Java, EJB 2.1, Oracle, XML, and Ajax

**Accomplishments**

* Created the project in eleven weeks instead of the projected sixteen.
* Interface weekly with Customers to produce C++/Java components and their enhancements using Object Oriented Design and Implementation.
* Designed, implemented, tested, and verified a 3000 SLOC software component in sixteen weeks.  This project was successfully reviewed, tested, verified, and validated by internal reviewers.
* Successfully completed a task as a Software Engineer I and novice Java Developer in eight weeks. This task was estimated to be completed in eight weeks by a Software Engineer III developer.

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* Produced two software products using VBA 97 and C# programming languages.

**Accomplishments**

* Improved original ExxonMobil project (HSAC)’s speed by 500% using Algorithm Analysis knowledge and advanced knowledge of Visual Basic.
* UTC Project Review provided ability to monitor other projects’ resource allocation information at a glance.
* Converted all static displays of information to dynamic displays of information using dynamic queries, graphs, and code.

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| **Avionics Electronic Technician, United States Navy** | **Nov 2016 – Present** |

* Maintained and repaired electronic communication systems in AIMD Mayport, Fl.

**Accomplishments**

* Repaired and processed over 250 electronic modules in support of SH-60 squadrons (aircraft) in less than two years.
* Increased my group’s production 92% by being a team player and using interpersonal skills

**Education**

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| Prairie View A&M University | Bachelor’s Degree in Computer Science 2006, Magna Cum Laude |