

Joel James Darling

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I am a Software Engineer with an always-expanding skillset targeted at providing top-tier solutions to real world problems. At my core, I am a results-based algorithmic thinker with the ability to take a project or task from an idea to a completed deliverable with little to no supervision. My solutions are always tailored from the ground up for each specific problem, often covering use cases and edge cases that most have not even considered as a part of the problem's scope.

TECHNOLOGY SUMMARY

- Experience with C, C++, C#, Java, JavaScript, Python, PHP, Ruby, CSS, HTML, SQL and NoSQL Databases
- Experience with Visual Studio, Visual Studio Code, Postman, and various testing tools
- Experience with designing and implementing various software architectures including SOA, SaaS and N-Tiered
- Experience with Unit Testing, End to End Testing, documentation and technical writing

PROFESSIONAL EXPERIENCE

Microsoft (contractor) *Bellevue, Washington*

11/2017 – 09/2018

Software Design Engineer II

Software and Web Development

- Created translators for IoT device interaction with Cortana, including their unit tests and end-to-end tests
- Implemented new features which expanded the device control capabilities of Cortana
- Wrote documentation for job duties that lacked documentation and assisted with updating existing documentation where possible
- Designed and implemented tools to automate tasks to increase productivity and improve workflow
- Closely collaborated with other contractors to ensure quick and efficient completion of assigned tasks

Milestones

- Designed and implemented an authentication helper which increased the turn around time for the creation of end-to-end tests by more than 200%
- Created documentation for end to end tests that made it easier for fellow contractors to write their own end to end tests

Technologies: C#, JavaScript, PhantomJS, Azure, Linux, Gulp, Yeoman, Kusto, Fiddler, Postman, jQuery, Node.js, Selenium, TypeScript, Visual Studio Test, Test automation, Groovy, Visual Studio 2017, Visual Studio Code Online, Git, JSON, XML, Scrum, AVA, Middleware integration

Freelance Work

01/2015 - 12/2017

Red Plains Lender Surveys *Oklahoma City, Oklahoma*

04/2017 – 12/2017

Database and CRM Development

- Developed custom tailored CRM used for project, order and client tracking using Node.js and MongoDB
 - Developed and maintained front end interfaces to the system using HTML, SCSS, JavaScript
 - Designed and implemented pipeline tools which allowed importing, exporting and batch processing of relevant data along with report generation and analysis

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Sam Welcher & Association LLC *Norman, Oklahoma*

11/2016 – 02/2017

Order and Inventory Management System Development

- Engineered an order and inventory tracking solution using Node.js and MongoDB
 - Developed and maintained front end interfaces to the system using HTML, SCSS, JavaScript

BCD Associates, Inc (part of coursework) *Oklahoma City, Oklahoma*

05/2015

Software Development

- Developed software which allowed unstructured data to be extracted from large text files in an indexable format
 - Created an algorithm to determine the classification of a word based on context
 - Program was engineered using C# and supported the ability to export sorted data to a text or binary file

Website Development

- Developed websites for small businesses using a combination of JavaScript, HTML, CSS for the front end and Java, Node.js or PHP for the backend

Vantage Portfolio Inc *Oklahoma City, Oklahoma*

04/2016 - 10/2016

Senior Web Developer

Software Architecture Design & Development

- Designed architecture and implemented a trip planning SaaS
 - Designed product from whiteboard to web app in 2 months using Meteor (Node.js, JavaScript, SCSS, MongoDB)

Website Development

- Develop and maintained websites using a LAMP stack
- Meet directly management to determine the functional and non-functional requirements for all projects

The University of Central Oklahoma Office of Global Affairs

05/2012 - 12/2015

Student Specialist

Designed and developed a student “waiting queue” ticketing system

- Developed using AngularJS w/ Java using the Spring framework

Pre-processing of applications for incoming international students

- Re-engineered the workflow of pre-processing student applications which increased the turn-around time by ~430%
- Generated demographic information of processed applicants in the form of written metrics and graphs
 - Designed then implemented a system which allowed all subsequent graphs to be automatically generated
- Cataloged information of hundreds of incoming international students with a less than 0.5% error rate
- Increased productivity by creating various templates that saved international enrollment advisers 1 hour per application on average, resulting in more applications processed

EDUCATION

The University of Central Oklahoma, Edmond, OK

- B.S in Software Engineering, 2012 to 2015 (Incomplete)
- Performed undergraduate research in using Object-Oriented Programming and design to rapidly prototype videogame feature development