Davies Omale Odu

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Summary

Hands-on individual with a Master's degree in Computer Engineering and experience developing web applications, from database to user interfaces. I want to work in an organization where I can utilize my existing skills and knowledge and develop new skills to contribute to the accomplishment of organizational goals

Technical Skills

Programming Languages		Markup & Formats	Database systems	Libraries & Frameworks	Misc.
Current	Previously used	▶ HTML 5	▶ MySQL	▶ Javascript (jQuery, Nodejs)	▶ Version Control (Git)
▶ JavaScript	▶ C / C++	▶ CSS 3	▶ MongoDB	▶ Python(Django)	▶ Editors (Eclipse, Emacs, Sublime)
▶ Python	▶ Matlab	▶ JSON		▶ Ruby on Rails	
▶ Java					

Education

Duke University, Durham NC — Masters in Computer Engineering (with focus on software) — December 2016

- ▶ Algorithms and Data Structures (C/C++)
- ▶ Software Development Lifecycle (Java)
- ▶ Business fundamentals for Engineers
- ▶ Systems Programming (Unix/Linux)
- ▶ Web Design & Development (JavaScript)
- ▶ Textual data analysis - Machine learning introduction (Python/Matlab)

Saint Petersburg Electrotechnical University, Russia — BSc in Electronics — June 2015

Work Experience

Software Development & Testing Co-op — IBM, Research Triangle Park — Sept–Dec 2016

Multiple requests are made daily by hundreds of IBM employees around the globe to have a specific product on the Marketplace re-translated to native languages to suite target clients. I worked on the Globalization team to successfully develop a workbench which regulates and prioritizes these submissions.

- ▶ Worked with my technical manager and colleague to plan and implement architectural requirements the workbench.
- ▶ Designed MongoDB schema to save submitted HTML forms in JSON format based on individual submissions, grant authorization to registered users based on their internal employee email addresses.
- ▶ Implemented client side code to dynamically update HTML pages using JQuery AJAX via JSON response.
- ▶ Technologies used include Ajax/JQuery, MongoDB, Datatables and JS highcharts for data visualization.

Software Developer Intern — IBM Marketplace, Research Triangle Park — June–Aug 2016

- ▶ Rapidly learnt how to develop and deploy web applications using IBM Bluemix
- ▶ Collaborated closely with mentor to implement a design for an internal dashboard with focus on enhancing IBM Marketplace product information identification, retrieval, analysis and indexing.
- ▶ Independently developed a web app which facilitated all Marketplace offering and Country manager interaction by bringing to one platform manager contact information all IBM Marketplace manager contact information. Server side development was implemented using Nodejs framework (express)
- ▶ Eliminated difficulty with product information search and delays for more than 8000 IBM products and services
- ▶ All technologies used include Nodejs (express), jQuery, HTML 5, CSS 3, Bootstrap and jQuery Datatables.

Web Development Intern — Duke University OIT, Durham, NC — Dec 2015 – May 2016

- ▶ Worked on an agile team to update regularly changing information on university web page on a part time basis and modify pages for mobile responsiveness.
- ▶ Coded numerous custom controls (checkboxes, drop-downs as seen in the search block on the index page) using jQuery
- ▶ Tested and debugged website display issues across multiple browsers.
- ▶ Overall, technologies used include JavaScript/jQuery, CSS, Bootstrap, and HTML5.

Software Engineering & Marketing Intern — Tecnologias Marte, Medellin, Colombia — June – Oct 2014

- ▶ Collaborated with 3 teammates to build software for a sun tracking solar panel circuit using ATmega8 micro controller and automated solar panels as main components.
- ▶ Discerned key business requirements and objectives by planned interaction with stakeholders
- ▶ Specific task involved modifying existing software to fix bugs and update interfaces.

Projects

Sentiment Analysis for Twitter

- ▶ Developed using Django framework, this app utilizes python NLTK and NumPy to mine sentiments and opinions from tweets using two given keywords and produces a plot which compares the overall sentiment of these words. https://github.com/Davodu/DOOTwitterSentiment

HackFestRTP Tone Analyzer

- ▶ Created a Web App using express/JQuery and IBM Watson Tone Analyzer API to get the tone of marketing content associated with given product description. Rates the content on an educational grading scale to improve descriptions and customer appeal. https://github.com/Davodu/IBMWatsonToneAnalyzer

The Smart Pantry

- ▶ As a class project, I collaborated with two teammates to build a Java Desktop app which aids users in keeping track of their food pantry to prevent wastage. I designed the MVC architecture where the model and view classes go through the controller to get recipes to display or add ingredients to the user pantry. https://github.com/Davodu/Food-Pantry-App

Misc. Projects

- ▶ Co- founder and web developer for Russian handmade lingerie brand. https://www.instagram.com/passionzu_lingerie/
- ▶ Online portfolio. http://daviesodu.com