Jay Battle

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Objective:

Seeking a career in software development with two years of experience in backend development and special interests in clean code philosophies, Object-oriented development, and Scrum Agile methodologies.

Skills:

Programming: Assembly, Bash, C, C++, C#, HTML, Java, JSON, LabView, MATLAB, Python, SQL, VB, VHDL
Development Tools: Atmel Studio, Code Composer Studio, Eclipse, Git, Linux, NUnit, UNIX, Visual Studio
Development Frameworks: Agile software development, Lean Manufacturing, Scrum, test driven development
Project Management Tools: Crucible, GitHub, Jira, MediaWiki, SharePoint, Slack, Splunk, TeamCity, Trello
3D Modeling: Autodesk AutoCAD & Inventor, Dassault Systèmes CATIA V5 & V6
Machining and Carpentry: Experienced with circuits, bandsaws, lathes, milling machines, table saws
Public Speaking: Model United Nations 2009-2013: Awarded Major (1st) and 2 Minors (2nd) in local competitions

Education:

Marquette University - Milwaukee, WI — August 2013 - May 2017
Bachelor of Science in Biomedical Engineering/Biocomputing

Work Experience:

Connected Vehicle Systems Analysis
Ford Motor Company – Detroit, MI — October 2017 - Present

- Analyze, monitor, and restore system health for the FordPass & Lincoln Way mobile apps
- Triage, escalate, and resolve incidents using Azure, Pivotal Cloud Foundry tool, and API logs with Splunk
- Integrated Webex Teams, Trello, PagerDuty, and Splunk to streamline incident management
- Established agile tools including Webex Teams and Trello for project coordination and scheduling
- Coordinate cross-functional organizations to solve complex technical problems through to resolution.
- Train new hires in API analysis, system architecture, and incident triage processes
- Manage employee and on-call schedules for 24/7 global system support
- Instituted, distributed, and maintain documentation, templates, and triage instructions via SharePoint

Application Support & Development Specialist
GasDay Marquette University - Milwaukee, WI — June 2015 – May 2017

- Composed a standardized secure and encrypted RESTful API for client data.
- Implemented a C# driven RESTful API data layer within an Azure Cloud hosted ASP.NET web application
- Designed VSTO Excel add-ins within the .NET framework for querying local and remote SQL data
- Participated in an Agile Scrum environment using Test-driven Development for Continuous Integration
- Created an automated process for virtual machine cloning using MATLAB and Bash commands
- Streamlined forecast model training and testing processes through VB and Bash automation software
- Verified performance of Artificial Neural Networks and Linear Regression models in MATLAB
- Maintained and upgraded Visual Basic SaaS for natural gas demand forecasting
- Engaged in User Experience testing and validation for in-house and commercial software products

Projects:

Constructed an application for iris identification in images using C++, C, and Python — 2017
Prototyped a bio-optic implant to repair nerve damage for the Medical College of Wisconsin — 2016 – 2017
Deployed and maintained 100 virtual machines in GasDay's RAID based VMware vSphere cluster — 2016 – 2017

Leadership:

Supervised employees coordaining schedules and tasks as Student Manager for Sodexo's Schroeder Hall — 2013-17
Produced $43,000 in revenue while managing a team of six college students painting home exteriors — 2014
Coached two FIRST Lego League (FLL) robotics teams of 8 students at Christ the King middle school — 2012-13
President of FIRST Robotics Team 1701, recipients of Detroit District Finalist & Motorola Quality Awards — 2011-13
Taught Lego robotics at Detroit Area Pre-College Engineering Program (DAPCEP) summer camps — 2011-12