**MONDAY AYEWA**

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# summary

Self-motivated software developer with a strong understanding of web development, test driven development, great communication skills, and the ability to thrive in a fast-paced environment. Looking to work with fun and creative team to transform good ideas into great products.

# technical skills

**Languages**: JavaScript, Python, SQL, Ruby, C#, HTML, CSS, Java, MatLab

**Big Data Tools**: Hadoop, Pig, Hive, Apache Avro

**Frameworks**: Bootstrap, Django, Flask, Rails, ASP.NET Core, MVC

**Databases**: MySQL, SQLite, PostgreSQL, NoSQL, MongoDB, Building ERDs

**AWS Tools**: EMR, Data Pipeline, S3, Route53, Lambda, EC2

**Field Bus Protocols**: Modbus, DeviceNet, Profibus, EtherCat, and CanOpen

**Hardware and Programmable Devices**: Digital and Analog Circuits, PLC Programming

**Networking Protocols**: TCP/IP, FTP, Telnet, and SFTP

**Microprocessors**: Atmel, ColdFire, ARM, and C505

**Others:** GitHub, JQuery, node.js, Bower, Jade, NPM, Capybara, RSpec, XML (XSD) Schema

**Exploring:** MEAN Stack, Vue, React.js, Angular 4, Socket IO

# web development experience

## Coding Dojo, *Full – Stack Web Development Student* Seattle, WA 2017

Completed an immersive web development program with more than 1,000 hours spent learning and developing web applications using Python, MEAN, Ruby on Rails, and C# ASP.NET Core MVC framework.

***Projects***:

* **Appointment Planner** (Python)
* An appointment planning application with share feature among registered users.
* Developed using Python, Django, SQLite, HTML, CSS
* **Online Lending** (Ruby)
* Online Lending application for registered Brokers and Lenders to raise and give money
* Developed using Ruby on Rails, PostgreSQL, HTML, CSS
* **Professional Network** (C#)
  + Twitter like application for registered Users to accept connection request
* Developed using C# ASP.Net Core, Entity Framework, MySQL, HTML, CSS

# proFEssional experience

**Software Developer, Point Inside 2013 – 2016**

* Led, designed, and developed the platform that lead to our first paying big-box retailer partner using Pervasive Software (Actian) Integration and AWS tools.
* Improved data ingestion process time by 60% by redesigning it using Java and MySql based solution.

Designed and effected a process to ingest and transform CAD/Link files to the format required by Indoor navigation Engine (INE), decreasing the processing time from 3 hours to under 30 minutes.

* Led, designed, and developed product location assignment algorithm used for deriving and displaying the map location of products sold in retail stores.
* Coordinated and participated in code reviews using pull requests via Bitbucket.
* Developed various custom parsers that transformed inbound data into Avro data, using Java and Apache Avro which allowed for flexible NoSQL access to the data.
* Designed and created system that reported daily metrics view of partner data in S3 and Mongo DB which allowed teams to ask questions about the data in near real-time.
* Designed and developed parser and transformer, of less transparent INE XML map output data, to Avro model that is reusable by downstream teams.

**Senior Software Consultant, Pervasive Software (Actian) 2012 – 2013**

* Led, designed, and developed test modules in Groovy language for the data integration project for ADP garnishment and payroll module, reducing the number of bugs found during deployment by 80%.
* Performed code reviews for the ADP data integration project.
* Designed and implemented CRM and ERP based projects using SalesForce.com, Oracle CRMOD, and NetSuite modules for clients, including Otherworld Computing, ADP, and Kate Spade to solve their B2B or B2C needs.
* Held department meetings with: development, project management, business analysts, document department and directors.

**Embedded Device Test Engineer, MKS Instruments 2007 – 2012**

* Learned and mastered various software and programming tool; completed training for developing ECLR User Block with C# for PLC applications, and PLC Programming with MultiProg.
* Developed low- and medium-level C and C++ drivers for embedded microprocessors.
* Designed and maintained test applications developed using C#, LabView CVI, C++, .NET, and MFC Framework.
* Created test cases and documentation according to design requirements documentation.
* Developed Window CE test application for latency and integrity testing for real time embedded mixed I/O units.
* Conducted hardware and software tests for research and development on patented and general products.
* Performed conformance test embedded devices with Field Bus Protocol: Modbus/TCP, DeviceNet, Profibus, and EtherCAT.
* Proficient at analyzing signal traces on both serial and parallel protocols. Proficient with both system-level and circuit-level root cause analysis.
* Worked with clients off-site (Applied Materials, Samsung, etc.) in providing resolution to application issues.

**Field Support Engineer, MKS Instruments 2003 – 2007**

* Added SQL database support to production script test software.
* Integrated and tested systems consisting of main boards and various cards used in the 300mm chamber-control module used in robotic clean-room manufacturing environments.
* Evaluation and qualification of production and manufacturing test application before final release.
* Provided telephone and field service support to our customers at Applied Materials, Bench Mark, and Samsung Austin Semiconductors, mostly in the clean room environment.
* Visited client sites and interacted with them to help install software and resolve QA issues/complaints.
* Analyzed returned cards and developed recommendations for redesign and manufacturing enhancements. One of the project led to more robust cards and a significant reduction in returns.
* Published customer-facing troubleshooting guide that greatly reduced the rate of returns.

# Education

**Coding Dojo 2017**

Full Stack Web Development {Python, Ruby on Rails, C#, ASP.NET Core}

**University of Texas 2010 – 2013**

Completed 70 Credit hours.

**DeVry University 2000 – 2003**

Bachelor of Science in Electronics Engineering Technology Degree, *GPA 3.75*