MUSTAPHA BABAJIDE ADUBIAGBE

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SKILLS

PHP/Laravel	• JavaScript	• Java	• TypeScript	• C++	• Node	• Python
React/Redux	• GraphQL	• Vuejs	• HTML/CSS	• MobX	• TDD	• BDD
Git	• Web services	• Unit Testing	• Postgres	• MySQL	• MongoDB	• API
Docker	• Command Line	• Algorithms	• Linux	• Design Patterns	• REST	• Agile

PROJECTS

- Compiler Design of a Lexical Analyzer and a Syntax Analysis for a high-level language called MINI-L.
- Course Project - Software Engineering: A University Facilities Management System.
- Course Project – Real-time Systems: Implementing a Real-time Scheduler with Kubernetes.
- Paper: Automated Test Input Generation for Android.
- Graduate College Courses: Software Engineering, Web Programming, Database Systems & Design, Compiler Design, Analysis of Algorithms and Real-time Systems.

EDUCATION

- **Master of Science in Computer Science**   May 2020
  Texas A&M University - **GPA – 4.0/4.0**

WORK EXPERIENCE

Software Engineering Intern   May 19 – Aug 19
Schoology – Austin, Texas

- Improved Security at Schoology by:
  - Identified vulnerable libraries. Planned & executed upgrades to take apps to zero vulnerable dependencies.
  - Remediate XSS attack vector on the legacy codebase.
  - Discovered & fixed broken access control, IDOR & privilege escalations by implementing access control security policies in PHP.
- Fixed async issues in JavaScript with vendor integration (Respondus), eliminating problems with ChromeOS.
- Improved developer Kubernetes env, to ensure provisioning edge cases were covered with bash & helm scripts.
- Fixed browser specific UI defects on the Schoology frontend React app to make the app more aesthetically pleasing.
- Improved test coverage by writing BDD automation tests for different user scenarios (Selenium, Codeception, PHP).
- Helped the team implement a 30% speed up of ETL by improving SQL queries.

Systems Engineer   Nov 17 – May 18
Tech Advance - West Africa

- FAYA (For All Your Advertising) is an Ad Tech solution setup to automate media advertising, connect media buyers with media publishers through cross-integrations & data-driven insights.
- Lead a team that carried out R&D on Media Purchase Orders, Ad slots Management & constraints, Media Planning/Media Buying & Monitoring/Analytics.
- Built out the discounts management system which made campaigns creation 50% faster.
- Architected & coded modules of the application which included Campaign creation flow, Ads inventory management, Analytics, reports & Access level control.
- Eliminated bugs early in development by writing unit and integration tests, as well as applications testing suite.

Backend Developer   Jan 17 – Nov 17
TrueRebel – West Africa

- Built an internal inventory management application to create & manage different product orders, track sales & deliveries/logistics, monitor stocks and product performance which increased the sales team personnel efficiency by 85%.
- Architected, coded & maintained a school management system for a company client.
- Fully automated the deployment process, significantly reducing deployment errors and rollbacks.
- Improved performance and optimized company website by making it 50% faster.

Intern Web Developer   Mar 16 – Jan 17
Bincom ICT – West Africa

- Worked on multiple areas on Social lender (a solution that provides individuals & businesses short-term loans based on a social reputation algorithm). Modules I worked on include Loan repayment, Stripe Integration & Guarantor system
- Coded frontend UI for financial services applications using jQuery & Bootstrap by working with designers.
- Automated error discovery by writing unit & QA tests.
- Learnt & applied multiple development methodologies and tools including, Agile, Scrum & JIRA.