

Mamadou B. Wann

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GitHub: <https://github.com/mwannca>

SKILLS

- **Languages:** React(TypeScript/JS) /React Native, JavaScript
- **Systems & servers:** AWS EC2, AWS cloud, Aws Route 53, AWS lambda, Linux Ubuntu server, IOS, Android, Windows Microsoft Azure,GWT
- **Web Development:** HTML(including HTML 5),LESS, React(TypeScript/Js), CSS, SASS, VueJs, JavaScript, Bootstrap, MVC, REST API, NODEJS,Angular,
- **Database:** Mongodb, MSSQL, MySQL, Firebase, GRAPHQL,SQL, POSTGRESSQL
- **Development Tools:** Visual Studio/Code, Cursor
- **Testing:** Visual Test Explorer, Junit, Jest,Cypress, Fakerjs
- **Leadership experience with the full software design process and agile development methodologies**

EXPERIENCE

Dysl.io, Calgary,AB Director of Engineering

June 2025 - present

- Spearheaded the planning design and development.
- Interviewed and hired designers in order to create initial landing pages and brand kit.
- Developed the IOS/ ANDROID app.io utilizing a robust tech stack including **React,React Native, NestJs, Prisma,Node.js, AWS, Stripe, Veriff, PostgressSQL**
- Implemented desktop version of the application using electron, React
- Designed PostGRESQL Database in order for the app to function.
- Added RLS,edge functions rules in order to secure each table and to make sure users can only access certain data, even if they call api functions.

- Added LogRocket to application in order to be able to investigate errors
- Fully integrated Stripe, Stripe connect to app for Payments and for users to be able receive payments from the platform
- Developed **CI/CD using GitHub** workflows in order to streamline development process and deploy application to perspective AWS instances
- Developed both company websites and all portfolio related items(AxonAi.ca, dysl.io)

BrandMatchCo, Calgary, AB Director of Engineering

May 2024 - June 2025

- Spearheaded the planning design and development.
- Interviewed and hired designers in order to create initial landing pages and brand kit.
- Developed the application brandmatchco.io utilizing a robust tech stack including **React, React Native, NestJs, Prisma, Node.js, AWS**. alongside the implementation of caching mechanisms with Redis.
- Designed PostGresQL Database in order for the app to function.
- Added RLS rules in order to secure each table and to make sure users can only access certain data, even if they call api functions.
- Added LogRocket to application in order to be able to investigate errors
- Fully integrated Stripe, Stripe connect to app for Payments and for users to be able receive payments from the platform
- Developed **CI/CD using GitHub** workflows in order to streamline development process and deploy application to perspective AWS instances

Rogers, Calgary, AB Senior Full Stack Developer(III)

June 2023 - May 2024

- Spearheaded the planning and development of versatile software solutions utilizing a robust tech stack including **JavaScript (jQuery), PHP, MSSQL, Angular, .NET, and Node.js**, alongside the implementation of caching mechanisms with Redis.

- Successfully migrated legacy **PHP (2004) applications to modern C#.NET Angular applications, enhancing scalability, performance, and maintainability.**
- Collaborated closely with the Database Team to identify, transfer, and optimize data structures, ensuring seamless integration and efficient data management for application development.
- Partnered with the Operations team to diagnose and address reported user issues, leveraging troubleshooting skills to swiftly resolve technical challenges and enhance user satisfaction.
- Engineered database views within **MSSQL** environments, streamlining operations and automating manual processes to improve overall efficiency.
- Enhanced user experience by optimizing API calls from **C#** backend systems, resulting in improved performance and responsiveness of applications.
- Led the overhaul of UI/UX design and development for the latest iteration of applications, incorporating modern design principles and usability enhancements to elevate user engagement and satisfaction.
- Proficiently diagnosed and resolved technical issues across PHP, Java, and Angular applications, ensuring uninterrupted functionality and smooth user experiences.
- Orchestrated the seamless installation and deployment of new applications into test and development environments on Windows servers via IIS, ensuring reliability and stability.

CostCertified, Calgary, AB Senior Full Stack Developer

January 2022 - May 2023

- Plan and develop software using **JS(OO programming), PHP F3, SQL, MongoDB, VueJs, Cordova, NodeJs,**
- Lead a team of 3 Software Engineers in order to implement new UI for the web application
- Implement a Scraper using **AWS Lambda(js), Puppeteer, MongoDB,**

- Troubleshoot and fix backend and front end problems reported by customer support
- Test changes on hardware vs browser to make sure there is no differences
- Use agile development methodologies including a scrum board, 1-week sprints, daily standups, and monthly sprint planning meetings with retrospectives.
- Introduce new team members to Repository
- Help new team members install required dev tools

TEKsystems, CHARLOTTE,NC Senior Front End Developer

Comcast Contract January 2021 - October 2021

- Plan and develop components using **JS(OO programming), LightningJs, Nexus, artifactory, SQL**
- Develop Unit and Integration Tests (**Jest, Faker,Cypress**)
- Test changes on hardware vs browser to make sure there is no differences
- Use agile development methodologies including a scrum board, 1-week sprints, daily standups, and monthly sprint planning meetings with retrospectives.
- Introduce new team members to Repository
- Help new team members install required dev tools

TEKsystems, CHARLOTTE,NC Senior Front End Developer

EastDilSecured Contract June 2019 - December 2020

- Plan and develop web application and mobile components using **React, CSS, Ionic,Cordova**
- Plan and review data endpoints with the backend team(**REST API GRAPHQL**).
- Develop Unit and Integration Tests (**Jest, Faker**)
- Use agile development methodologies including a scrum board, 2-week sprints, daily standups, and monthly sprint planning meetings with retrospectives.
- Introduce new team members to Repository

- Help new team members install required dev tools(**Vscode Extensions, better-vsts, git, cocoapods, IOS simulator, Android Emulator**)

PLECCO, CHARLOTTE, NC Senior Front End Developer

Xceleration Contract November 2019 - May 2020

- Plan and develop website/cms components using **React, CSS, HighCharts,**
- Lead a 3 person team that added requested changes to CMS
- Plan and review data endpoints with the backend team(**REST API,Swagger**).
- Coordinate with front end team members in order to build components in the CMS interface that releases customer facing content.
- Create/Triage Frontend **Jira** Tickets to correct team members based on priority.
- Deploy/Create projects using **Jenkins,Npm,Nexus** and GitHub.
- Use agile development methodologies including a scrum board, 2-week sprints, daily standups, and monthly sprint planning meetings with retrospectives.
- Code Review through **GitHub** and approve pull requests
- Fix and upgrade old React Based components to fit new client business logic.

TTS, CHARLOTTE, NC Full Stack Instructor

January 2019 - November 2019

- Teach professionals how to program using **Html, CSS, Java(Spring framework), Junit, JavaScript, SQL, MySQL, SQLite,**
- Teach students Programming Paradigms, logic, data structures and industry patterns and strategies.
- Created **Java** projects that aided students in practicing and learning programming patterns, standards and the agile methodology.
- Create **Java** classes and examples for students to use as a guide.
- Manage, review students project and code using git and GitHub projects (<https://github.com/jbpayne/BlackInfinitiSpring> , <https://github.com/rickrhone/TTSTeamBlueDealershipProject>)

- Teach students application security paradigms and programming patterns.

Kognos, Charlotte, NC Software Engineer

August 2017 – May 2019

- Part of a team responsible for designing and building consumer facing applications for Tech Startups. These Applications include web applications, phone applications and Blockchain Technology.
- Used agile development methodologies including a scrum board, 4-week sprints, daily standups, and monthly sprint planning meetings with retrospectives.
- Designed and implemented front end functionality and UI in **HTML, LESS, React JS/Native, Bootstrap, C++, PHP MVC(LARAVEL FRAMEWORK), Java,Angular**
- Implemented a user-friendly wallet for a Block Chain and a web wallet using **C++, PHP, MONGODB**.
- Setup and secured an AWS EC2 Instance that ran virtual nodes for Blockchain.
- Designed and Implemented a cross platform booking application using **REACT NATIVE & GOOGLE FIREBASE**. Tested applications on IOS and Android Via Expo

Bounce, Fort Collins, CO Project Coordinator

August 2016 - August 2017

- Manage client and company relationships.
- Coordinated with 3 owners NationalCreditCare.com in order to improve their custom web C.R.M developed by Bounce Software. Ensuring Automation patches prioritized new functions that increased profits.
- Provide weekly update documents that explained new patches to management.

Conssol LLC, Newark,DE Software Engineer

July 2012 - July 2016

- Leader of the team responsible for designing and building consumer facing web applications for artists, startups, universities.

- Utilized agile development methodologies including a scrum board, 4-week sprints, daily standups, and monthly sprint planning meetings with retrospectives.
- Designed and implemented a web application that enabled writers to publish their works using **HTML,CSS,PHP,MYSQL, CUSTOM WORDPRESS,ADOBE PHOTOSHOP.**
- Designed and implemented a mobile web application that enables users to locate a book with their favorite hair professional using **Python, Google App Engine, HTML, CSS3,ADOBE PHOTOSHOP.**
- Designed and implemented a Web Application that enabled students, parents and certain organizations to find tutors in their university using **Python, HTML, CSS3, BOOTSTRAP, ADOBE PHOTOSHOP.**

PROJECTS

FULL CAR DEALERSHIP APPLICATION

May 2019 – July 2019

Designed and implemented a Java Application for a Car Dealerships using **Java(Spring boot) Mysql, Thymeleaf.**

- Involved in design from start to finish, including wireframe and storyboard, database.
- Implemented **Consumer UI & Employee UI** , sales system for cars.
- Implemented Tests for **TDD** using **JUNIT**

CLUTR MOBILE APPLICATION

August 2018 – July 2019

- Designed and implemented a Mobile Application for a House Cleaning Startup using **React Native(EXPO), Google Firebase, Google Cloud Functions.**
- Involved in design from start to finish, including wireframe and storyboard, database, payment model design.
- Implemented Automated Booking System using **Javascript Firebase Functions .**
- Implemented Consumer UI i.e Login/Sign Up Screens with form validation, Google Functions.

PLAY MUSIC TOGETHER APPLICATION

June 2017 - September 2017

- Designed and implemented a Mobile Application Prototype for a House Cleaning Startup using Xamarin and Microsoft Azure
- Involved in design from start to finish, including wireframe and storyboard, database, payment model design.
- Implemented Automated Jamming systems that enables users to find other users to play music with.
- Implemented Consumer UI i.e Login/Sign Up Screens with form validation.

EVOBLU BLOCKCHAIN

August 2017 - February 2018

- Worked with another developer in order to design and implement a website whose main purpose was to inform consumers and run ICO for a new Bit-Coin based Block-Chain.
- Involved in design from start to finish, including spearheading all meetings about new functionality.
- Designed the White Paper and Tech Road Map for Block-Chain.
- Used agile development methodologies, with weekly scrum meetings in order to ensure development speed and quality.
- Implemented all technologies using, **C++ MYSQL AWS EC2, PHP, HTML, CSS3, MONGODB.**

UDORA THE EXPLORER

August 2013 - February 2014

- Worked with 3 developers and 1 Artist in order to design an application that would onboard new incoming freshmen in Java using Eclipse.
- Utilized agile development methodologies, with weekly scrum meetings and standups.
- Implemented front End functionality UI including a snake game that only moved when the student interacted with the application correctly.
- Wrote extensive Junit Tests which made integrating data and front end smooth and bug free.

Education

Bachelor of Science: Computer Science 2008 - 2015

University of Delaware

CERTIFICATIONS

IDS/IPS (Cybrary) September 2018

License:SC-e8671bddb3-a3b75

ICS (Cybrary) September 2018

License:SC-e8671bddb3-922f12

Fundamental System Security (Cybrary) September 2018

License SC-e8671bddb3-0c6e2a