Papa Yama Ndiaye

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Summary

- Proficient in multiple programming languages, with hands-on experience in both desktop and mobile application development.
- Expertise in agile methodologies, emphasizing efficient and adaptable project management.
- Strong problem-solving and analytical skills, adept at identifying and resolving complex technical issues.
- Committed to the creation of high-quality software products, consistently aiming to exceed user expectations.
- Demonstrated ability to work effectively in team environments and independently

Technical Skills

- **Programming**

Laravel - React - Flutter - C - C++ - JAVA - PHP - Python - Scala - CSS - HTML - JavaScript - PostgreSQL - Oracle

- **Management Methodologies and Tools:**

Agile and Scrum Methodologies - Git/GitHub for Version Control - Microsoft Office Suite (Excel, Word, PowerPoint)

- **Development Tools**

Bash - JetBrains Tools - Stryker - Visual Studio Code - Wart Remover - Linux/Unix

Relevant Experience

Full Stack Developer Intern | 06/2023 - 08/2023 | African Refining Company | Dakar, Senegal
- Solely designed and developed a Laravel-based web application for enterprise logistics and user management, tailored to meet specific scientific team requirements.
- Integrated a professional template for a user-friendly interface and enhanced functionality.
- Managed and optimized PostgreSQL databases for data integrity and efficient performance.
- Collaborated directly with the scientific team for requirement gathering, updates, and feedback implementation to refine the application continuously.

Software Developer Intern | 05/2022 - 08/2022 | Neurowyzr | Windsor, Ontario
- Attended executive meetings, leading to the adoption of an action plan by the board
- Worked remotely as a team using Github despite a 12 hour difference
- Coded models and scoring of the games which form part of mental health battery from scratch using Scala
- Explored experimental tools for linting and testing to deliver flawless code

Additional Experience

Online Program Attendant | 05/2023 - Present | University of Windsor | Windsor, Ontario

- Manage logistics for online PhD classes, respond to inquiries, and support the development of program policies.
- Provide multichannel technical support and troubleshoot for students and instructors.

Undergraduate Teaching Assistant | 02/2024 - Present | University of Windsor | Windsor, Ontario

- Support the Computer Science course on language grammars, parsing methods, and compiler construction.
- Oversee office hours and labs, and handle assignment and exam grading.

Certificates

AWS Certified Cloud Practitioner

Education

B.Sc. (Hons) Computer Science with Software Engineering | University of Windsor | 04/2025 | Windsor, ON

Relevant courses:

Software Verification and Testing - OS Fundamentals - Advanced Object Oriented System Design - Computer Networks - Database Management Systems - Software Development/Engineering - Data Structures & Algorithms

Projects

- Planning Poker Website
  - Developed a Planning Poker website with Laravel and PostgreSQL, enhancing agile estimation processes for remote teams.
  - Implemented user authentication and session management for secure user interactions and data storage.
  - Led front-end development, crafting a user-friendly interface for seamless team collaboration.
- Digital Portfolio
  - Developed an interactive and informative Digital Portfolio showcasing my aspirations, skillset, professional background, and future ambitions.
  - Utilized the React framework with JavaScript, HTML, and CSS to design and build the website. Focused on creating a user-friendly and responsive interface.
  - Actively sought and incorporated feedback to refine the website, ensuring it accurately reflected my professional image and goals.
- Flight Simulator
  - Acted as Scrum Leader, managing the project repository on GitHub for a 5-member team.
  - Utilized SCRUM framework and JAVA3D API to develop a space flight simulator.
  - Implemented split-screen multiplayer and fully controllable plane objects with weapon systems.
- TINY Language Compiler
  - Coded Java class to check for input correctness using recursive descent parsing technique
  - Usage of JLEX to create a Java Scanner class to tokenize TINY Language input
  - Use of JavaCup coded grammar rules using top down parsing technique and generate executable Java code with JLEX

Languages

English, French, Spanish, Wolof

Extracurriculars

- **Academic and Athletic Achievements**
  - WinHacks2024 Hackathon, Rocket innovation challenge solo winner
  - Chosen student for the Zayed Sustainability Prize
  - Attended the first Dakar Forum Of Students (DAKFOS) at the International School of Dakar (ISD)
- **Volunteering**
  - Gardening and Field Maintenance of school
  - Helped in building classrooms alongside Swiss IB Students
  - Volunteered on a Weekly basis to tutor grade schoolers and children with disabilities