

Barrington Patterson

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Software Developer

Software Developer with experience at EduFocal Limited, Kingston, Jamaica, excelling in API testing, Laravel backend development, and OpenAPI documentation. Led a top-performing team at the Microsoft Project Blue Mountain 2023 Hackathon, securing a top 6 position. Pending Graduation with a BSc. in Computer Science, skilled in Java, algorithm analysis, and data structures. Proven adaptability, resilience, and collaborative leadership in both professional and competitive settings.

WORK EXPERIENCE

UTechSapna • Kingston, Jamaica • 05/2022 – 04/2024

Junior Software Developer

EduFocal Limited • Kingston, Kingston, Jamaica • 06/2023 – 11/2023

Intern Backend Developer

- **Developed Comprehensive API Tests:** Developed API tests using PHPUnit to ensure the reliability and robustness of our applications.
- **Backend API Creation:** developed efficient and scalable backend APIs using Laravel, empowering our products with core functionalities.
- **Documented APIs with OpenAPI:** Meticulously documented APIs using OpenAPI standards, resulting in clear and user-friendly documentation. This promoted smoother collaboration among team members and provided valuable resources for external developers.
- **Contributed to Backend Optimization:** Collaborated on various backend tasks, optimizing database queries, improving performance, and enhancing the overall efficiency of our applications.

PROJECTS

TypeSnake • 03/2024 – 04/2024

TypeSnake is a dynamic programming language that merges high-level syntax with Python transpilation, ensuring a powerful combination of versatility and type safety. It champions functional programming principles, excelling in mathematical function evaluation while prioritizing immutability and recursion. Designed for versatility across various domains, TypeSnake emphasizes readability and abstraction, abstracting low-level complexities for a smoother coding experience. With its front end hosted on Vercel and backed by Microsoft Azure, TypeSnake promises to tackle diverse challenges effectively, offering developers a robust and flexible solution.

VOLUNTEERING & LEADERSHIP

Microsoft Project Blue Mountain 2023 Hackathon • 09/2023 – 10/2023

Participant • Kingston, Kingston, Kingston

- Led a dynamic and highly skilled team in the Microsoft Project Blue Mountain 2023 Hackathon, a competitive event featuring 40 teams from diverse backgrounds.
- Spearheaded the planning, organization, and execution of our team's strategy, ensuring alignment with project goals and hackathon objectives.

- Demonstrated exceptional leadership skills by effectively coordinating team members, assigning tasks based on individual strengths, and fostering a collaborative and innovative team environment.
- Utilized strong communication skills to convey complex technical concepts within the team, enabling seamless collaboration and optimal problem-solving.
- Led the team through various phases of the hackathon, from ideation to implementation, showcasing adaptability and resilience in the face of challenges.
- Leveraged technical expertise to contribute actively to the development process, ensuring the delivery of a high-quality project within the specified timeframe.
- Secured a coveted position among the top 6 finalists out of 40 competing teams, highlighting the team's commitment to excellence and the ability to thrive in a competitive environment.
- Collaborated with team members to create a comprehensive post-event analysis, identifying areas for improvement and proposing actionable insights for future projects.
- Cultivated relationships with industry professionals, judges, and fellow participants, expanding the network and promoting a positive image of the team.

EDUCATION

Bachelor of Science in computing - BSc in Computer Science

University of Technology, Jamaica • 01/2020 - 11/2024

SKILLS

Agile Methodologies, Analytical Skills, API Development, API Documentation, API Testing, Application Programming Interfaces (API), Back-End Web Development, Communication, Debugging, Defining Requirements, English, inertia, Laravel, MySQL, PHP, php unit, PostgreSQL, Problem Solving, Representational State Transfer (REST), Unified Modeling Language (UML)

CERTIFICATIONS

CSS • 11/2022 - Present

HackerRank

Certificate of Participation • 07/2022 - Present

Vue School