

Alieu Saidy

Software Engineer

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Technical Skills

Languages

Python programming, JavaScript development

Architecture

RESTful API design, Software design principles

Methodologies

Agile methodologies, Git version control

Engineering

Software debugging and testing, Continuous integration and deployment (CI/CD)

Data

Database optimization

Languages Spoken

English

Professional Experience

Software Engineer | 2M Corp

Fajara M Section, Bakau, KSMD • Mar 2025 – Present

- Designed and integrated RESTful APIs and web services for front-end functionality and third-party integrations.
- Collaborated with cross-functional teams to design and implement user-centric software features.
- Implemented software development best practices through active participation in Agile ceremonies and collaborative workflows.
- Participated in code reviews, debugging, and testing to ensure software quality and compliance with best practices.
- Automated deployment and continuous integration processes to enhance development efficiency and reduce downtime.
- Developed and maintained scalable software applications using Python and JavaScript in an Agile environment.
- Utilized version control systems like Git to manage source code and collaborate with distributed development teams.

Software Engineer | Coders Clutch Limited

The Gambia • Jan 2025 – Mar 2025

- Designed and integrated RESTful APIs and web services to support front-end functionality and third-party integrations.
- Optimized database queries and backend processes leading to a 20% increase in application performance.
- Automated deployment and continuous integration processes to improve development efficiency and ensure seamless software delivery.
- Implemented robust security measures to protect applications against vulnerabilities and data breaches.

- Conducted performance tuning and optimization of applications to ensure scalability under high user load.
- Collaborated closely with UI/UX designers to implement intuitive and responsive user interfaces.
- Optimized backend processes by refining algorithms and data structures, resulting in significant reduction of response times.

Software Engineer | Coderoots

Banjul • Mar 2023 – Jul 2024

- Developed and maintained scalable software applications using programming languages such as Python and JavaScript in a collaborative Agile environment.
- Designed and integrated RESTful APIs and web services to support front-end functionality and third-party integrations.
- Participated in code reviews, debugging, and testing to ensure software quality and adherence to best practices.
- Utilized version control systems like Git for source code management and collaborated with distributed development teams.
- Collaborated with cross-functional teams to design and implement user-centric software features enhancing application usability.
- Automated deployment and continuous integration processes to improve development efficiency and reduce downtime.
- Optimized database queries and backend processes leading to a 20% increase in application performance.

Education

University of the People | Computer Science, USA

Sep 2023 – Present

- Comprehensive understanding of computer science fundamentals including algorithms, data structures, and software design principles.
- Proficiency in multiple programming languages such as Python, Java, and C++, with a focus on practical application development.
- In-depth knowledge of web development technologies including HTML, CSS, JavaScript, and modern frameworks.
- Practical experience in database management and SQL.
- Applied principles of software engineering including requirements analysis, system design, and testing methodologies.
- Acquired skills in cybersecurity fundamentals and understanding of cloud computing concepts.

Power Learn Project | Software Engineering, Kenya

Jun 2024 – Sep 2024

- Designed and developed scalable software solutions tailored to educational platforms.
- Applied data analytics techniques to monitor and improve learning outcomes.
- Utilized Agile methodologies to manage project development cycles.
- Completed a capstone project on web development and app development using Dart, database with MySQL, and entrepreneurship.

DataCamp | Python Developer, USA

Nov 2023 – Present

- Acquired proficiency in data science and analytics techniques, including data manipulation and visualization using Python.

- Mastered libraries such as pandas and matplotlib to analyze and interpret complex datasets.

Certificates

HackerRank Rest API (Intermediate) (Dec 2024)

Experience in integrating RESTful APIs and designing scalable, secure APIs.

Software Development (Mar 2024)

Certified professional with expertise in Python and JavaScript programming.

HackerRank (Software Engineer) (Dec 2024)

Demonstrated skills in solving complex coding challenges and algorithm design.

References

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