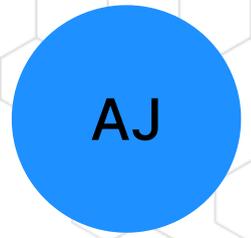


ALEXANDER JACKSON

Python Developer | OOP Expert | RESTful APIs Innovator

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SUMMARY

With over 9 years of experience as a Python Developer, I bring a track record of implementing high-performance web services and a dedication to continuous learning and collaborative problem-solving. My expertise with RESTful APIs and modern development practices align perfectly with delivering innovative software solutions.

EXPERIENCE

Senior Python Developer

TechSolutions Ltd

01/2019 - Present | Leicester

- Led the development of a high-throughput RESTful API, increasing system efficiency by 40%.
- Implemented a new OOP-based module in the core system that improved code maintainability.
- Collaborated across departments to integrate AI features into existing products, enhancing customer experience.
- Spearheaded a continuous integration workflow that reduced code integration errors by 30%, ensuring smoother development cycles.
- Managed a team of 4 developers to deliver a scalable data analytics platform, processing over 1TB of data daily.
- Optimized database operations with ORM frameworks, reducing query times by 50% and supporting high-volume web traffic.

Python Developer

Innovative Web Solutions

06/2016 - 12/2018 | London

- Developed a secure GraphQL API endpoint that consolidated multiple data sources, improving data retrieval speeds by 70%.
- Contributed to a Python-based project using asyncio to handle asynchronous tasks, achieving a 35% reduction in latency.
- Mentored junior developers in writing cleaner, more efficient code, resulting in a 25% decrease in post-release bug fixes.
- Optimized Docker container usage, saving 20% on cloud infrastructure costs monthly.
- Created automated unit tests for new features which decreased system errors by 15%.

Software Developer

Dynamic Tech Enterprises

09/2013 - 05/2016 | Birmingham

- Integrated third-party APIs into client projects, enhancing system interoperability and user experience.
- Designed and implemented a custom logging module in Python, improving system monitoring capabilities.
- Refactored legacy codebase, reducing code complexity and improving function response time by 20%.
- Automated repetitive tasks using Python scripts, saving the team approximately 10 hours weekly.

EDUCATION

Master of Science in Computer Science

University of Cambridge

01/2011 - 01/2013 | Cambridge

Bachelor of Science in Software Engineering

University of Leicester

01/2007 - 01/2011 | Leicester

KEY ACHIEVEMENTS



Optimized High-Throughput API

Architected and led the development of a high-throughput RESTful API, boosting system efficiency by a significant 40%.



Docker Infrastructure Cost-Saving

Optimized Docker usage for cloud deployments, resulting in an impressive cost reduction of 20% in cloud infrastructure expenses.



Mentoring for Efficiency

Mentored a team of junior developers to adopt best practices, which cut down post-release bug fixes by 25%.



Agile Process Leadership

Introduced and led a successful continuous integration workflow, slashing code integration errors by a substantial 30%.

LANGUAGES

English
Native



Spanish
Intermediate

