

EMAIL

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PHONE

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GITHUB

<https://github.com/johncarter>

LINKEDIN

<https://linkedin.com/in/johncarter>

SKILLS

Python, FastAPI, Django, Flask, SQL, REST APIs, GraphQL, Machine Learning, AWS (EC2, Lambda, S3), Azure, Docker, Kubernetes, CI/CD Pipelines, Microservices Architecture, Event-Driven Systems, Distributed Systems, Data Modeling, ETL Pipelines, System Design, Performance Optimization, Unit Testing, Agile/Scrum

LANGUAGES

English (Fluent)
Spanish (Intermediate)
German (Basic)

CERTIFICATIONS

AWS Solutions Architect – Associate
Google Professional Data Engineer
Microsoft Azure Developer Associate
Certified Kubernetes Application Developer (CKAD)
Python Institute – PCPP1

JOHNATHAN MATHEW CARTER

Senior Software Engineer

PROFILE SUMMARY

Highly accomplished Senior Software Engineer with 8+ years of experience in backend engineering, cloud computing, and building scalable microservices. Adept at designing secure, fault-tolerant distributed systems that support millions of global users. Proven leadership in mentoring teams, optimizing performance, and driving architectural improvements. Passionate about cloud-native development, automation, and delivering high-reliability software solutions in fast-paced, agile environments.

PROJECTS

Senior Developer – Amazon (2021–Present)

- Led a backend engineering team of 6 developers, driving high-impact technical initiatives.
- Designed and deployed microservices supporting 10M+ requests monthly with 99.99% uptime.
- Migrated legacy components to AWS serverless architecture, reducing infrastructure cost by 28%.
- Implemented distributed caching and improved average response latency by 40%.
- Built CI/CD pipelines using GitHub Actions and Jenkins, boosting deployment efficiency by 60%.
- Collaborated with data scientists to integrate ML-driven recommendation models.
- Conducted code reviews, technical design sessions, and mentoring programs.

Software Engineer – Microsoft (2018–2021)

- Developed high-performance REST APIs using FastAPI and Django for large-scale cloud platforms.
- Enhanced system throughput by 32% through database optimization and asynchronous processing.
- Implemented cloud monitoring dashboards using Azure Monitor and Prometheus.
- Automated internal tools that reduced developer manual tasks by over 50%.
- Participated in architecture reviews, scalability planning, and cross-team technical discussions.

EDUCATION

B.Tech in Computer Science – MIT University (2014–2018)

CGPA: 8.9/10

Relevant Coursework: Distributed Computing, Data Structures, Cloud Systems, Operating Systems, Database Design, Machine Learning.

Academic Projects:

- Distributed Load-Balancing Algorithm Simulation achieving 22% improved efficiency.
- Microservice-Based E-Commerce Backend integrating payment gateway

and inventory management.

INTERESTS

Traveling and exploring new cultures, Photography and digital editing,
Fitness and strength training, Reading tech blogs and research papers,
Contributing to open-source projects