

## EMAIL

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## PHONE

+1 987 654 3210

## 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