

# Abin Abraham

Senior Software Engineer | Backend & Cloud

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## Professional Summary

Senior Software Engineer with 11+ years of experience designing and delivering scalable backend systems, REST APIs, and cloud-native platforms across the Telecom, SaaS, EdTech, AdTech, and Retail domains. Strong expertise in Python, FastAPI, Django, PostgreSQL, AWS, Docker, and microservices architecture. Proven track record of improving performance and reliability, leading teams, and resolving complex production issues in enterprise-scale environments. Hands-on experience with AI-powered tools, LLM applications, and RAG-based automation. Available as an immediate joiner.

## Technical Skills

<b>Languages</b>	Python, JavaScript, SQL
<b>Frameworks</b>	FastAPI, Django, Django REST Framework, Flask, ReactJS, Next.js, VueJS
<b>Cloud</b>	AWS (EC2, S3, SQS, SNS, CloudWatch), Heroku
<b>DevOps</b>	Docker, Jenkins, Git, GitLab, CI/CD Pipelines
<b>Databases</b>	PostgreSQL, MySQL, MongoDB, Redis, Couchbase, Elasticsearch
<b>Data</b>	NumPy, Pandas
<b>Architecture</b>	Microservices, Distributed Systems, REST APIs, Scalability, High Availability
<b>Testing/Tools</b>	Pytest, Linux, Agile
<b>AI / ML</b>	LLM, RAG, LangChain, Prompt Engineering, GitHub Copilot, Cursor

## Professional Experience

### Senior Backend Developer

*Nesto Group (Management Office LLC)*

**Sep 2022 – Present**

*Dubai/Sharjah, UAE*

- Designed, developed, and maintained scalable backend systems using modern programming languages and frameworks to support enterprise business applications.
- Developed and managed RESTful APIs and web services enabling seamless integration between frontend applications and backend systems.
- Designed and optimized relational and non-relational database schemas, wrote complex queries, and ensured data integrity and performance.
- Implemented security and authentication mechanisms including token-based authentication and encryption to protect application data.
- Integrated third-party services and APIs such as payment gateways, messaging systems, and cloud services.
- Performed testing, debugging, and performance optimization to ensure high availability and reliability of backend services.
- Managed version control (Git), CI/CD pipelines, and cloud-based infrastructure; followed best practices including code reviews and documentation.
- Delivered loyalty platforms including *Inaam*, *Alwafa*, and *Werewards*, and a flyer-creation automation application.

### Web Developer / Senior Software Engineer

*Rhinos ME DMCC*

**Apr 2021 – Sep 2022**

*Dubai, UAE*

- Developed business intelligence and data-engineering solutions for enterprise clients including *Audi France*, *Skoda France*, and *Operation Falafel*.
- Built and maintained web applications and data pipelines, focusing on performance and reliability.
- Collaborated with cross-functional teams to translate client requirements into technical specifications and deliverables.

## Team Leader

*BEO Software Private Ltd*

**Apr 2019 – Jul 2021**

*Cochin, India*

- Led a development team, taking ownership of project delivery, technical direction, and mentoring.
- Delivered the *BEO Rental Germany* application for ski-accessory rentals and other client projects.
- Carried out assigned responsibilities with determination and sincerity, contributing across the full software development lifecycle.

## Programmer Analyst

*Theory Y Technologies (India) Pvt Ltd*

**Jul 2017 – Apr 2019**

*Kochi, India*

- Developed and maintained web and platform applications, including the *Manorama Horizon* education platform and the *QkDoc* doctor-booking platform.
- Analyzed requirements and delivered features as a sincere, hardworking, and keen contributor.

## Software Engineer

*RapidValue IT Services Pvt Ltd*

**Mar 2015 – Jun 2017**

*Kochi, India*

- Designed and developed software solutions and e-commerce applications, including *Chocolateness*.
- Contributed to mobile and web application development with consistent performance and conduct.

## Key Projects

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- **AI Document Query Platform (LLM & RAG):** Built an AI-powered document search platform using Python, FastAPI, LangChain, and vector databases. Developed the upload, ingestion, chunking, embedding, and semantic-retrieval pipeline, and REST APIs for natural-language question answering. Improved answer quality through prompt engineering and retrieval optimization.
- **Loyalty Platforms (Inaam, Alwafa, Werewards):** Delivered enterprise loyalty applications as data engineer and developer.
- **Business Intelligence Tools (Audi France, Skoda France, Operation Falafel):** Designed BI and data-engineering solutions for automotive and retail clients.
- **E-Commerce & Web Applications:** 24sevenmegastore, Chocolateness, Zain Kuwait corporate website, and the Afkar e-commerce application.

## Additional Strengths

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- Strong debugging and production-support skills in enterprise-scale environments.
- Excellent ownership, accountability, and cross-functional collaboration.
- Proven team leadership and mentoring experience.