

MAIDA SAJJAD

Backend Software Engineer

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PROFESSIONAL SUMMARY

Skilled Backend Software Engineer with 2.5 years of experience designing and developing scalable server-side applications and RESTful APIs. Proficient in Python, Node.js, and database management with strong expertise in microservices architecture and data processing. Passionate about building efficient, maintainable backend systems that power modern web applications.

TECHNICAL SKILLS

Languages:	Python, Node.js, JavaScript, Java, Go
Frameworks:	Django, Flask, FastAPI, Express.js, NestJS, Spring Boot
Databases:	PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch
ORMs:	SQLAlchemy, Django ORM, Prisma, TypeORM
APIs:	REST API, GraphQL, WebSockets, gRPC
Architecture:	Microservices, MVC, Repository Pattern, CQRS
Message Queues:	RabbitMQ, Kafka, Redis Pub/Sub, Celery
Authentication:	JWT, OAuth 2.0, Session-based Authentication
Tools:	Docker, Docker Compose, Git, Postman, Swagger
Testing:	PyTest, Jest, unittest, Integration Testing

PROFESSIONAL EXPERIENCE

Backend Software Engineer | DataTech Solutions | July 2023 - Present

- Design and develop scalable RESTful APIs using Node.js and Python serving 50K+ daily requests
- Build microservices architecture for distributed systems using Docker and message queues
- Implement data processing pipelines using Celery and Redis, handling 1M+ records daily
- Design and optimize PostgreSQL and MongoDB database schemas for high performance
- Write comprehensive unit and integration tests achieving 85%+ code coverage
- Collaborate with frontend teams to define API contracts and documentation

Junior Backend Developer | TechInnovate Inc. | July 2022 - June 2023

- Developed server-side applications using Python Django framework
- Designed database schemas and wrote optimized SQL queries
- Integrated third-party APIs including payment gateways and email services
- Implemented authentication and authorization using JWT tokens
- Participated in code reviews and agile development processes

Software Development Intern | CloudSystems Corp | June 2021 - August 2021

- Assisted in backend development and API endpoint implementation
- Performed database optimization and query performance tuning
- Wrote API documentation using Swagger/OpenAPI specification

EDUCATION

Bachelor of Science in Computer Science

University of Calgary | September 2018 - June 2022 | GPA: 3.78/4.0

Honors: Dean's List, Computer Science Achievement Award

CERTIFICATIONS

- Python for Everybody Specialization (Coursera)
- MongoDB Developer Certification
- PostgreSQL Database Administration

KEY PROJECTS

- **E-Commerce API:** Built comprehensive RESTful API with authentication, payment processing, and order management serving 50K+ requests per day with 99.5% uptime
- **Microservices Platform:** Designed and implemented microservices architecture with service discovery, API gateway, and message-based communication
- **Data Processing Pipeline:** Developed asynchronous data processing pipeline using Celery and Redis, handling 1M+ records daily with real-time monitoring