

ABDULLAH ABDELGLIL

Irving, TX • +1-641-233-9098 • aabdelglil4@gmail.com
<https://www.linkedin.com/in/abdullahabdelglil/>

SENIOR SOFTWARE ENGINEER

Senior Software Engineer with 10+ years of experience in designing and building scalable enterprise applications. Proficient in JavaScript, TypeScript, and backend frameworks such as Node.js, NestJS, Loopback4, and Express. Strong background in cloud computing (AWS Certified), Microsoft Azure, and modern databases (PostgreSQL, MongoDB, DynamoDB). Known for delivering high-quality solutions in agile environments, optimizing performance, and solving complex engineering challenges.

- Database Design • Cloud Computing • Web Server Management • Database Caching • API Design
- Containers • Microservices • Software Development Life Cycle • Design Pattern

Languages & Frameworks: JavaScript, TypeScript, Node.js, NestJS, LoopBack4, Express, ReactJS

Web: HTML5, CSS, Flexbox, Bootstrap, ReactJS, HTTP, JSON

Web Services: REST API, SOAP, GraphQL, gRPC

Authentication: Keycloak, Cognito, OAuth2.0, JWT, IAM

Databases: PostgreSQL, MongoDB, DynamoDB

Cloud & DevOps: AWS (Lambda, EC2, S3, API Gateway, DynamoDB, MSK, EKS, CloudFormation, CloudWatch, SNS, SQS, IAM, Step Functions, RDS, Glue), Azure, Docker, Kubernetes, Terraform, Git, Jenkins

Design Patterns: Singleton, Strategy, State, Chain of Responsibility, Observer, Command Architecture Patterns

Methodologies: Agile, Waterfall

Tools: Jira, Slack, Teams, Postman, VS Code, Windsurf, Studio 3t, Compass

Platforms: Windows, Linux, MAC

Application/Software: Atlassian Jira API, Shiphero, Google Maps API

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **master's degree in computer science** (Available for full-time, W-2 employment).

SQUADIO, Dubai, United Arab Emirates • 06/2023 – 04/2024

Senior Software Engineer

- Developed and optimized RESTful APIs using Node.js, NestJS, and AWS Lambda, reducing response times by 40%.
- Secured APIs with OAuth 2.0, JWT, and IAM roles, enhancing authentication and access control.
- Integrated RabbitMQ along with AWS SNS and SQS for asynchronous task handling and notification fan-out, improving scalability, reliability, and fault tolerance.
- Built unit tests with Mocha and mongodb-memory-server, improving test coverage and reducing bugs by 25%.
- Implemented Redis caching to reduce database load and improve performance.
- Designed a GraphQL API using Apollo Server, reducing query time by 40%.
- Created a fully serverless architecture with Lambda, API Gateway, and DynamoDB, cutting infrastructure costs by 30%.
- Implemented OpenSearch for product search, increasing relevance and performance by 45%.

Technologies Used: Node.js, TypeScript, NestJS, LoopBack4, RabbitMQ, Kafka, MongoDB, DynamoDB, Redis, AWS (Lambda, EC2, S3, MSK, EKS), GraphQL, Mocha, JEST, Docker, Keycloak, OpenSearch.

BLACKSTONE, Dubai, United Arab Emirates • 01/2020 – 06/2023

Senior Software Engineer

- Integrated AWS services (Lambda, API Gateway, DynamoDB) to build a serverless architecture, reducing infrastructure costs by 30%.
- Built a serverless notification system using SNS fan-out to SQS queues (SMS, Email) with Lambda, provisioned and managed via Terraform, enhancing reliability and reducing latency by 40%.

- Developed API observability dashboards with Prometheus and Grafana, enhancing real-time monitoring and alerting.
- Migrated authentication system to Keycloak with OTP and social login support, improving user experience and reducing login time by 35%.
- Automated task management using Atlassian APIs, improving task tracking and team productivity.
- Automated AWS infrastructure deployment using CloudFormation templates for Lambda functions, S3 buckets, and CI/CD pipelines, ensuring consistent, repeatable, and scalable environment provisioning.

Technologies Used: LoopBack4, Node.js, MongoDB, Microservices, Docker, Redis, Mocha, JEST, GraphQL, NestJS, Express, Keycloak, AWS (EC2, Lambda, S3, EKS Fargate, OpenSearch, Aurora PostgreSQL, MSK), Grafana.

THIQA, Riyadh, Saudi Arabia • 11/2018 – 01/2020

Senior Software Engineer

- Integrated live location tracking using Google Maps API in Node.js, enhancing functionality.
- Developed unit tests using Mocha and Git workflows, increasing code reliability and reducing production bugs by 40% across core AWS-deployed services (EC2, S3)
- Implemented Redis-based caching in a Node.js and NestJS environment, reducing PostgreSQL load and accelerating GraphQL data access by 50%

Technologies Used: JavaScript, GraphQL, Node.js, NestJS, PostgreSQL, Git, AWS (EC2, S3).

JEDDAH MUNICIPALITY, JEDDAH, Saudi Arabia • 01/2017 – 11/2018

Software Engineer

- Implemented new services and maintained existing applications deployed on AWS EC2 and S3, ensuring system reliability and high performance.
- Designed unit tests with Mocha, improving code reliability and early bug detection. Integrated real-time chat functionality in a Node.js application using WebSocket and deployed on AWS EC2, enabling seamless live communication and enhancing user engagement and experience.

Technologies Used: ASP.NET, MVC, SQL Server, MongoDB, JavaScript, Express, Node.js, AWS.

ENGAZSOFT, Egypt • 02/2014 – 12/2016

Software Engineer

- Implemented new services and maintained existing applications for an ERP system using .net, ensuring system reliability and performance while improving business process efficiency.

Technologies Used: ASP.NET, MVC, SQL Server, Node.js, Express JavaScript, jQuery.

NTG, Egypt • 01/2013 – 01/2014

Software Engineer

- Developed and maintained ERP system services using .NET, enhancing reliability and business process efficiency.

Technologies Used: .net, SQL Server, JavaScript, jQuery.

ACADEMIC PROJECTS

Maharishi International University (2024)

Real Estate App: Developed backend services for a real estate app using Node.js, NestJS, and MongoDB, integrated with a React.js frontend, and deployed using AWS Serverless with CI/CD via AWS Code Pipeline.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 12/2026)

Maharishi International University, Fairfield, Iowa

Key Courses: Algorithm, Cloud Computing, Web Application Development, Advanced Software Development

Bachelor of Science in Computer Science

Faculty of Computer and Information, Menofia, Egypt (06/2011)