

ABDULLAH ABDELGLIL

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SENIOR SOFTWARE ENGINEER

Senior Software Engineer with over 8 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), database management (MongoDB, Postgres), and microservices architecture. Skilled in agile development environments, with a focus on delivering high-quality, efficient solutions that meet client and project requirements. Known for a hands-on approach to solving complex technical challenges and creating robust, innovative applications.

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

Languages: JavaScript, TypeScript

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

Web Services: REST API, SOAP, GraphQL

Web/App Servers: Nginx

Frameworks: Node.js, NestJS, Loopback4, Express

Databases: PostgreSQL, MongoDB

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

SDLC: Agile, Waterfall

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

Platforms: Windows, Linux

Application/Software: Atlassian Jira API, 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

Software house and outsourcing.

Senior Software Engineer

- Automated workflows for task management using Atlassian APIs, streamlining processes and improving productivity.
- Built unit tests for applications using Mocha, enhancing reliability and reducing bugs.
- Mocked MongoDB queries for testing using mongodb-memory-server, improving accuracy and efficiency.
- Developed modular microservices using Loopback 4 and NestJS, enhancing scalability for large applications.
- Implemented real-time data streaming using WebSockets, improving responsiveness and user experience.
- Designed caching mechanisms using Redis, reducing database load and accelerating data retrieval.

Technologies Used: NodeJS, Typescript, LoopBack4, NestJS, MongoDB, Docker, Mocha, mongodb-memory-server.

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

software house and outsourcing.

Senior Software Engineer

- Automated task management using Atlassian APIs, improving task tracking and team productivity.
- Created unit tests with Mocha, identifying issues early and improving code reliability.
- Mocked MongoDB queries with mongodb-memory-server, enhancing testing accuracy and efficiency.
- Built scalable microservices using LoopBack 4, improving maintainability and extensibility.
- Delivered real-time updates using WebSockets, enhancing responsiveness and user experience.
- Designed caching mechanisms with Redis, reducing database load and improving data retrieval speed by 40%.
- Developed an API Gateway with AWS API Gateway and 3scale, improving API performance by 40%.
- Integrated Prometheus and Grafana with 3scale, enabling real-time API monitoring and operational transparency.

Technologies Used: LoopBack4, Node.js, MongoDB, Microservices, docker, Redis, MongoDB, mocha, MongoDB-memory-server, 3scale Api gateway, Grafana.

THIQAH, Riyadh, Saudi Arabia • 11/2018 – 10/2020

Software house.

Software Engineer

- Developed new services and maintained applications to ensure reliability and performance.
- Built caching components with Redis, reducing database load and speeding up data retrieval.
- Integrated live location tracking using Google Maps API in Node.js, enhancing functionality.
- Created unit tests with Mocha, improving code reliability and reducing bugs

Technologies Used: *JavaScript, NodeJS, PostgreSQL, ASP.NET, MVC, SQL Server, AngularJS, Git,*

JEDDAH MUNICIPALITY, JEDDAH, KSA • 01/2017 – 11/2018

Governmental organization.

Software Engineer

Implemented new services and maintained existing applications, ensuring system reliability and performance.

- Extracted specific latitude and longitude data for geographic insights using the Esri Maps API, enabling targeted application features with precise location data.
- Designed and implemented unit tests with Mocha, generating comprehensive testing reports that improved code reliability and reduced bugs by identifying issues early in the development cycle
- Integrated real-time chat functionality in a Node.js application using WebSocket, enabling seamless live communication and enhancing user engagement and experience.

Technologies Used: *ASP.NET, MVC, SQL Server, AngularJS, Git, Esri map, mocha, JavaScript, NodeJS.*

ENGAZSOFT, Egypt • 02/2014 – 12/2016

Governmental organization.

Software Engineer

Implemented new services and maintained existing applications, ensuring system reliability and performance.

- 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: *.net, SQL Server, Java script, jQuery.*

NTG, Egypt • 01/2013 – 01/2014

Governmental organization.

Software Engineer

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

Technologies Used: *.net, SQL Server, Java script, 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 CodePipeline.

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)