

## Contact

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## Top Skills

Bitbucket  
Postman API  
swagger

## Languages

Arabic  
English

## Honors-Awards

International Student Leadership  
Scholarship

## Publications

Datashield  
PuzzleSolver

# Maen Abu Hammour

Senior Software Engineer | Backend | Golang | Java | Python | Rust  
Irvine, California, United States

## Summary

A skilled Backend Engineer with expertise in backend systems, microservices, and APIs using Golang, Java, Python, and Rust. Proficient in AWS and databases like PostgreSQL, CassandraDB, and Redis, with a focus on scalable, secure, high-performance systems. Holds an MBA, MS in Computer Science, and a bachelor's in computer engineering, combining technical depth with strategic insight. Experienced in transitioning to microservices, optimizing performance, and collaborating in agile teams.

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## Experience

Astra Tech  
Senior Backend Engineer  
March 2025 - Present (5 months)  
United States

Exiger  
Backend Engineer  
November 2023 - August 2024 (10 months)  
United States

- \* Develop backend services using Golang.
- \* Expand existing microservices with new RESTful and GraphQL APIs.
- \* Manage backend services utilizing Amazon AWS, including EC2, RDS, and ECS.
- \* Utilize PostgreSQL and Redis for data storage.
- \* Design and implement new features collaboratively.
- \* Debug and resolve production issues promptly.
- \* Coordinate with frontend developers in real-time to design and develop new features.
- \* Adhere to agile software development methodologies.

KaiOS Technologies, Inc.  
7 years 2 months

## Senior Backend Engineer

May 2022 - July 2023 (1 year 3 months)

Greater San Diego Area

- \* Architect and develop high-performance backend systems and RESTful APIs utilizing Golang, Java, Rust, and Python.
  - \* Assess open-source solutions for potential integration to enhance backend features.
  - \* Optimize performance of current backend servers.
  - \* Assist in transitioning the backend to a Microservices architecture.
  - \* Develop tools for load-testing to gauge system performance.
- Establish robust security and data protection protocols, integrating them with existing backend structures.
- \* Engage in thorough code reviews, upholding best practices and code maintainability.
  - \* Document system architectures and practices for internal and external stakeholders.
  - \* Partner with both local and offshore teams in an agile development setting.
  - \* Test-driven development, writing unit, integration, and functional tests.
  - \* Address and rectify production issues, aiming for minimal service disruption.

## Backend Engineer

November 2018 - May 2022 (3 years 7 months)

San Diego, California, United States

- \* Fully owned the development, deployment, and maintenance of the KaiPush service, supporting 150M users across India, China, Africa, and the USA.
- \* Performed requirement analysis and contributed to software design.
- \* Designed, developed, deployed, and maintained microservices in Golang, Python, Rust, and Java, including Push, Device Financier, and KaiCloud services.
- \* Conducted thorough code reviews to ensure code quality and maintainability.
- \* Analyzed system performance, including the development of load-testing tools using Golang and Python.
- \* Debugged and resolved issues in testing and production environments, delivering prompt and effective fixes.
- \* Authored detailed technical documentation using UML 2.0 for system designs and processes.

## Junior Software Developer

June 2016 - November 2018 (2 years 6 months)

California, United States

- \* Developed RESTful APIs for KaiCloud microservices using Golang, Java, and Python.
- \* Contributed to the design and development of new cloud software systems and components.
- \* Conducted code peer reviews to ensure quality and adherence to best practices.
- \* Debugged and resolved issues in services deployed across testing and production environments, including KaiCloud, Push, KaiStore, and Anti-Theft systems.

Alcatel mobile

Software Intern

January 2016 - June 2016 (6 months)

California, United States

- \* Mastered new programming languages, including Go, Java, and Python.
- \* Gained expertise in software development on Linux CentOS 7.
- \* Acquired hands-on experience with AWS EC2 services.
- \* Designed and developed a Golang microservice (anti-theft message server) exposing RESTful APIs for storing and retrieving push messages.
- \* Integrated Alexa into the Alcatel Tablet and presented the IoT model at Amazon Headquarters in Seattle.
- \* Conducted research on open-source push service solutions, created a proof of concept (PoC), and facilitated its deployment into production environments.

National University

Student Ambassador

September 2014 - October 2015 (1 year 2 months)

Greater San Diego Area

- \* Provided support to students by addressing health insurance, student letters, housing, transportation, and general inquiries.
- \* Organized and coordinated international events, activities, and orientations for new students to enhance their onboarding experience.
- \* Performed administrative duties, including maintaining attendance records in Excel, updating schedules, designing event materials, and managing email communications.

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## Education

National University

Master's Degree, Computer Science · (2014 - 2015)

Westcliff University

Master's degree, Business Administration · (2019 - 2021)

Al-Balqa' Applied University BAU

Bachelor's Degree, Computer Engineering · (2008 - 2013)