

# Khalil Muhammad Mirza

## Full-Stack Developer & Systems Architect

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### SUMMARY

Full-Stack Developer & Systems Architect with 12+ years of experience designing, building, and scaling complex web applications. Expertise in workflow automation, AI-driven products, and deep API integrations across fintech, healthcare, e-commerce, and enterprise platforms. Proficient in React, Golang, Node.js, Python, JavaScript, and TypeScript, with a strong foundation in system architecture, performance optimisation, and cloud infrastructure.

### SKILLS

C# · 10+ yrs   Go · 2 yrs   JavaScript · 10+ yrs   Node.js · 10+ yrs   TypeScript · 10+ yrs   React · 8+ yrs

Python · 4 yrs   AWS · 8+ yrs   GCP · 3+ yrs   Azure · 8+ yrs   SQL / MySQL · 10+ yrs

NoSQL / MongoDB · 10+ yrs   Docker & K8s · 5+ yrs

### EXPERIENCE

**Senior Back End Developer** — ZOOMA Oct 2024 - Mar 2025

Created an Azure Managed Application for Azure Marketplace automating ADP-to-Entra ID syncing and on/off-boarding workflows.

**Full Stack Developer** — Crayon Jul 2024 - Feb 2025

Developed an application monitoring and improving Cargo Vessel performance.

**Senior Full Stack Developer** — Contact Center Specialists Sep 2023 - Mar 2025

Built APIs and integrations with Facebook, Sinch for VOIP solutions and marketing automation.

**Full Stack Developer** — Hanover Research Jun 2023 - Dec 2023

Created a PowerPoint add-in for high-quality research & analytics through a subscription model.

**Automation Developer** — Help A Reporter Out May 2023 - Jun 2023

Designed and implemented AI-powered automation workflows integrating OpenAI with journalism tools using Zapier.

**Backend Engineer** — TrackResults Software Mar 2023 - Jul 2023

Designed and implemented a comprehensive webhook system enabling real-time, bidirectional communication between internal and external systems.

- API Engineer** — Telnyx Mar 2023 - Aug 2023  
Developed REST API SDK in 6 languages with unit and integration tests for all SDKs.
- Full Stack Developer** — The Wound Pros May 2021 - Jul 2021  
Developed a HIPAA-compliant digital informed consent platform for patients across web and mobile platforms.
- Backend Engineer** — Xpact Feb 2021 - Aug 2021  
Developed a high-frequency cryptocurrency trading platform for real-time market analysis and low-latency trade execution.
- Full Stack Developer** — Cannect Mortgage Jan 2021 - Apr 2021  
Developed a full-scale investment management platform streamlining the entire mortgage investment lifecycle.
- Full Stack Developer** — Azura Consulting Jan 2021 - Mar 2021  
Developed a fully automated dropshipping platform streamlining order fulfillment, inventory management, and shipping operations.
- Backend Consultant** — The ID Register Jan 2021 - Dec 2021  
Integrated secure third-party financial APIs for KYC and identity verification on a compliance-driven platform.
- Backend Engineer** — New York Web Studios Dec 2020 - Jan 2021  
Developed healthcare system integrations and a custom electronic signature platform for secure data exchange across medical systems.
- Back End Developer** — Inveterate Dec 2020 - Jun 2022  
Built membership and loyalty Shopify application with third-party API integrations.
- Full Stack Developer** — InnRoad Sep 2020 - Jan 2021  
Developed comprehensive QuickBooks integration connecting property management software with QuickBooks Online and Desktop.
- Backend Engineer** — Conestoga College Sep 2020 - Dec 2021  
Led the development of a fully standards-compliant LTI 1.3 integration enabling secure communication between LMS and external tools.
- Full Stack Developer** — United Nations Jul 2020 - Present  
Enhanced linguistic apps including eLUNA translation tool, editorial platform, and multilingual search engine for UN translators.
- Backend Engineer** — Patent Bots Sep 2019 - Dec 2019  
Enhanced an AI-powered Microsoft Word add-in for patent drafting, analysis, and validation using NLP-based tools.

**Backend Engineer** — FlowFact GmbH

Apr 2019 - Oct 2019

Developed Microsoft Office add-ins integrated with CRM systems, implementing cross-cloud identity federation between Azure AD and AWS Cognito.

**Full Stack Developer** — GrocerKey

Oct 2018 - Jan 2021

Contributed to a multi-tenant e-commerce platform enabling traditional retailers to launch scalable online stores.

**Lead Developer** — MMCHR

Oct 2017 - Jan 2019

Independently designed and developed a comprehensive enterprise platform unifying HR, accounting, and travel management.

**Full Stack Developer** — Guest Supply

May 2013 - Oct 2017

Designed, developed, and maintained back-end applications. Mentored junior developers and managed Linux servers.