

Kumail Ali

Middle Full Stack Software Engineer

SUMMARY

- Software Engineer with 4+ years of experience specializing in backend systems, distributed platforms, and blockchain products using Go, TypeScript, Node.js, AWS, and Solidity.
- Proven expertise in building event-driven architectures, serverless workflows, and production smart contracts with a focus on clean architecture and high throughput, including migrating services to Go .
- Hands-on experience developing DeFi platforms, integrating Uniswap SDK, and managing secure multi-wallet infrastructures for scalable blockchain applications.
- Strong foundation in Computer Science with a BSc degree and MSc in Information Technology, complemented by specialized bootcamps in Solidity and Solana development.

TECHNICAL SKILLS

Main Technical Skills	Go, TypeScript, Node.js, Solidity (2 yr.)
Programming Languages	Go, Solidity (2 yr.), TypeScript
Mobile Frameworks and Libraries	Kotlin Coroutines (1 yr.)
JavaScript Frameworks	Node.js
Databases & Management Systems / ORM	MongoDB, Redis
UI Frameworks, Libraries, and Browsers	CSS (1 yr.), HTML (1 yr.)
Cloud Platforms, Services & Computing	AWS (1 yr.)
SDK / API and Integrations	API
Deployment, CI/CD & Administration	CI/CD
Blockchain and Decentralized Software	DeFi (3 yr.), EOS (1 yr.), Foundry (1 yr.), Hardhat (2 yr.), Solana (1 yr.), Uniswap (1 yr.)
Message/Queue/Task Brokers	Kafka
Methodologies, Paradigms and Patterns	Solution Architecture Design (1 yr.)

Platforms	WordPress (1 yr.)
Other Technical Skills	Multithread (1 yr.)

WORK EXPERIENCE

Full Stack Engineer - No-company. (Self-employed.) (Solana-based trading and market-making backend & Jargon Quest DeFi platform)

Duration: May 2025 - Present (1 year 1 month)

Summary:

- Built and operated a Solana-based trading and market-making backend with automated order execution, volume generation, and token launch pipelines
- Designed and delivered Jargon Quest, a full-stack DeFi platform on Binance Smart Chain (BSC) featuring ERC-20 token logic, staking, burn-and-reward systems, and buyback-and-burn mechanics
- Both projects include secure, production-ready infrastructure with multi-wallet management and encrypted key storage

Responsibilities:

- Architected and developed backend services and smart contracts for DeFi and trading platforms.
- Implemented automated trading and token launch pipelines using Jito MEV bundles, Pump.fun, and Raydium LaunchLab.
- Designed and maintained secure infrastructure including fee routing, referral systems, and execution tracking.
- Owned end-to-end system delivery from smart contracts to frontend dApps.
- Collaborated closely with founders to iterate on user-facing products.

Technologies: Solana, Jito MEV bundles, Pump.fun, Raydium LaunchLab, Binance Smart Chain (BSC), ERC-20, smart contracts, backend APIs, frontend dApps

Software Engineer - ByteCorp (Backend services migration and API development for SHAED and AUTILENT)

Duration: September 2023 - December 2023 (4 months)

Summary:

- Developed RESTful and migration APIs for SHAED to enable seamless multi-source data transfer
- Led migration of AUTILENT backend services to Go microservices, improving system throughput by approximately 30%

Responsibilities:

- Developed and maintained RESTful APIs and data migration pipelines.
- Led backend migration to Go microservices architecture.
- Optimized data pipelines using Kafka (AWS MSK), Redis, and MongoDB.

Technologies: Go, Kafka (AWS MSK), Redis, MongoDB, RESTful APIs



Software Engineer - NXT LABS (DeFi smart contracts and blockchain backend services)

Duration: June 2022 - August 2023 (1 year 3 months)

Summary:

- Built and deployed DeFi smart contracts including staking and yield farming on EVM-compatible chains
- Developed trade analytics APIs and serverless backend architecture
- Contributed to a Go-based blockchain project optimizing services with concurrency techniques
- Integrated Uniswap SDK for real-time token swaps

Responsibilities:

- Developed Solidity smart contracts using Foundry and Hardhat.
- Built APIs for trade analytics and implemented serverless backend solutions.
- Optimized blockchain services using Go with Goroutines and multithreading.
- Integrated Uniswap SDK for token swap functionality.

Technologies: Solidity, Foundry, Hardhat, Go, serverless architecture, Uniswap SDK, EVM chains

Blockchain Developer - Cubix (EOS-based DeFi protocol ModiHost and gaming dApp leaderboard APIs)

Duration: June 2021 - June 2022 (1 year 1 month)

Summary:

- Maintained the EOS-based DeFi protocol ModiHost ensuring smooth client operations
- Developed Solidity smart contracts for EVM chains and real-time leaderboard APIs to enhance user engagement in gaming decentralized applications

Responsibilities:

- Maintained and supported EOS-based DeFi protocol.
- Developed Solidity smart contracts using Hardhat.
- Built real-time leaderboard APIs for gaming dApps.
- Collaborated in Agile teams to deliver features on schedule.

Technologies: EOS, Solidity, Hardhat, real-time APIs

Frontend Web Developer - Rendering Smirk (Portfolio and E-commerce web applications)

Duration: August 2020 - June 2021 (11 months)

Summary: Designed and developed portfolio and e-commerce websites using WordPress and front-end technologies to deliver responsive and user-friendly web applications.

Responsibilities:

- Designed and implemented web applications for portfolio and e-commerce.
- Utilized WordPress, HTML, and CSS for development.

Technologies: WordPress, HTML, CSS



Intern - Duka Digital (CMS development and E-commerce Web Application)

Duration: February 2020 - July 2020 (6 months)

Summary: Explored content management system development and contributed to the development of an e-commerce web application using WordPress.

Responsibilities:

- Assisted in CMS development.
- Participated in building an e-commerce web application.

Technologies: WordPress

EDUCATION

- **Leeds Beckett University**
Master of Science - MS, Information Technology
January 2024 - June 2025
- **Iqra University (Official)**
Bachelor of Science - BS, Computer Science
June 2017 - April 2021
- **Encode Club Bootcamp, Expert Solidity**
July 2022 - August 2022
- **Encode Club Bootcamp, Solana**
October 2022 - December 2022
- **PIAIC**
High School Diploma, Blockchain
January 2019 - September 2021

CERTIFICATION

- **Blockchain Hackathon UHI Hookathon**
- **Certified Web Professional - Site Designer (CWP)**
- **Hackathon**

