

# MOHAMMED ASLAM S

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## EXPERIENCE

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### KingIT Solutions

March 2024 – Present

Software Engineer

Hungary (Remote)

- Architected high-availability Rust backend systems with Kubernetes orchestration and horizontal scaling
- Engineered prediction market DApp using Chainlink oracles/automation with 99.9% uptime
- Optimized smart contract gas consumption by 25% through storage layout restructuring

### Onchain VC

Feb 2022 – March 2024

Software Engineer (Blockchain, AI)

London (Remote)

- Spearheaded development of 15+ EVM DApps using Next.js/Nest.js with PostgreSQL/Redis backend
- Deployed AWS infrastructure supporting 50K+ MAU across bridging/swapping/LSD protocols
- Pioneered AI-DApp integration using LLM fine-tuning (LoRa/QLoRa) for 40% faster inference
- Developed cross-chain Telegram bots (EVM/Solana/APTOS) handling 1M+ monthly requests

### Pepped Ones

Jan 2021 – Jan 2022

Fullstack Developer

Trivandrum

- Built scalable REST APIs with Express.js/MongoDB serving 10K+ daily requests
- Contributed to React-based frontends improving user engagement by 35%

## PROJECTS

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### Cido API Service | Rust, Axum, Docker, Kubernetes

- Implemented a secure API service that handles crate uploads, validates builds in isolated Docker containers, and manages deployments to Kubernetes
- Built authentication system with JWT tokens and protected routes for managing deployments of Cido maps
- Created CI pipeline that replaces public dependencies with private crates, executes builds in sandboxed environments, and pushes validated images to GitLab registry
- Developed REST endpoints for crate deployment lifecycle including upload, build, deploy and status monitoring

### Aegis AI | Nextjs, Rust, Axum, GPT 4, Postgres, Redis

- Designed Rust backend for AI auditing system with parallelized queues for code analysis & PDF report generation
- Architected audit workflows using GPT-4 for partial/full code reviews and Redis-based task management
- Integrated NextAuth authentication and wagmi hooks for blockchain credit purchasing functionality

### Jupiter Lending (Venus Fork) | Nextjs, Solidity, React Charts, GraphQL

- Built DeFi lending DApp with Venus Protocol smart contracts and Next.js frontend for liquidity tracking
- Developed GraphQL API for real-time market data & interactive React Charts for financial visualizations

### ETD DApp | Nextjs, Solidity

- Deployed perpetual DEX using GMX V2 contracts enabling leveraged long/short positions.
- Optimized smart contract interactions for margin trading with 90% gas efficiency vs base implementation

## EDUCATION

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### College of Engineering Trivandrum

Aug 2019 – June 2023

BTech Electrical and Electronics Engineering - CGPA - 8.2(First class)

Trivandrum, Kerala

## SKILLS

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- **Languages:** C,C++,Rust, Typescript, JavaScript, SQL, Python, Move, Golang , C, Huff ,Cairo.
- **Web Technologies:** Nextjs,Nestjs,Flutter, Actix, Axum , Nodejs, Express, React, Redux, Tailwind, Foundry, Hardhat.
- **Tools:**Docker, Linux, Kubernetes, Prisma, Hardhat, Foundry, Git, AWS, GCP , DO, Ethers, Langchain, Dspy
- **Others:** MongoDB, Machine Learning, Deep learning, LLMs, SQL, PostgreSQL, Supabase