

SARMAD JAMAL

Dublin, Ireland

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Software Engineer | Cloud & DevOps Enthusiast | Open Source Contributor

EDUCATION

National College of Ireland

MS in Data analytics

Sept 2025 | Dublin, Ireland

FAST UNIVERSITY NUCES

BS in Software Engineering

June 2023 | Pakistan, Karachi

SKILLS

- **Programming Languages:** Python, Go, JavaScript, TypeScript
- **Web Technologies:** React, Next.js, Redux, HTML5, CSS3, SCSS
- **Backend Technologies:** Node.js, Express.js
- **Data Management:** MongoDB, PostgreSQL, MySQL
- **Cloud & DevOps:** AWS, Terraform, Kubernetes, Docker, CI/CD (GitHub Actions)
- **APIs and Protocols:** RESTful API
- **Testing & Quality:** Unit, Integration, Functional Testing, Code Reviews
- **Version Control:** Git, GitHub
- **Agile Tools:** Jira, Confluence

PROFESSIONAL EXPERIENCE

Avanza Innovations | Software Engineer

July '23 | Sept '25

- Designed and maintained scalable backend services using Node.js and TypeScript, integrating REST APIs for distributed systems.
- Implemented CI/CD workflows, automated testing, and continuous delivery pipelines for production stability.
- Contributed to DevOps practices by monitoring applications through Kubernetes, Terraform, and containerized deployments.
- Collaborated in agile sprints, performing code reviews and participating in feature validation and documentation.

HYPERDEV SOLUTIONS | Software Engineer

July '22 - March'23 | Remote

- Built and tested REST APIs with Node.js and Express, applying unit and integration testing to ensure reliability.
- Designed front-end modules in React integrated with backend APIs for dynamic data visualization.
- Worked closely in Agile teams using Jira and GitHub, focusing on incremental delivery and collaborative problem-solving.
- Improved query performance (SQL/NoSQL) and implemented caching strategies for scalable solutions.

PROJECTS

EASYSHIP APPLICATION | SHIPMENT TRACKING APPLICATION

Present

- Contributed to full-stack development using React, Node.js, and Golang.

- Implemented backend testing suites and automated validation scripts.
- Deployed using Terraform and Docker; monitored system health with Kubernetes.
- Designed async workflows and optimized APIs for high-load performance.

BAHRAIN CLEAR | Stock Trading Application

Present

- Developed containerized microservices deployed via Docker and Nginx.
- Enhanced reliability through automated testing, monitoring, and integration with CI/CD pipelines.
- Collaborated with cross-functional teams to validate and document production changes.

TRANSPORT MECHANISM THROUGH SMART CONTRACTS | DAPP

JUNE'23

- Published international research on transport mechanisms using Layer 3 Ethereum Blockchain.
- Designed smart contracts with OpenZeppelin standards and contributed to open-source Ethereum tooling.