



# Syed Afraz Hasan Kazmi

Software Engineer

✉ [ceo@theyoungwolf.dev](mailto:ceo@theyoungwolf.dev)

☎ +92 3145793010

📍 remote

🌐 [theyoungwolf-dev](https://theyoungwolf-dev)

📁 [syedafraz-theyoungwolf](https://syedafraz-theyoungwolf)

🌐 [portfolio.theyoungwolf.dev](https://portfolio.theyoungwolf.dev)

## Skills

### Technical skills

Typescript, Golang, NestJS, Next.js, React, Redux/RTK, Electron, GraphQL, Javascript, EJS/Jade/Handlebars, HTML/CSS, SEO, Mantine/Material UI, Tailwind, Postgres/PostGIS, Docker, TypeORM, GORM, Drizzle, Node, Apollo Client, NoSQL, Git/Github, jQuery, MCP, Agentic AI, CrewAI, LangGraph, Supabase, OpenAI, Angular, PHP, Python, Flutter, React Native, Java, AWS/Azure, Sentry, ML/AI, Laravel, Solidity, Rust

### Soft skills

Leadership, Communication (Live/Async), Remote-first culture, Team-first nature, Empathy, Emotional Intelligence, Problem solving, Critical thinking, Collaboration, Accountability, Responsibility, Self-learning, Time/Cost management, Mentoring capabilities, Business acumen, Project management

## Education

### National University of Science and Technology

Bachelors of Engineering

Software Engineering

Islamabad, Pakistan • 2018 - 2022

<https://seecs.nust.edu.pk/>

### Sri Lankan School Muscat

Edexcel A'levels

Science

Muscat, Oman • 2015 - 2017

Accomplished **Full Stack Web Developer** with *five* years of success in architecting and delivering robust technological solutions within demanding start-up environments. Proven record of enhancing operational efficiency by applying strategic, structural, and design thinking to create scalable applications.

## Experience

### Finly

Zurich, Switzerland (Remote)

Lead Full Stack Developer

June 2023 - Present

Engineered a comprehensive financial consultancy platform.

- **Rapidly mastered Golang from scratch**, delivering production-ready backend code within the first *3 weeks* of joining.
- **Architected and developed a highly modular backend** using Go, GORM for Postgres, and GraphQL (via GQLGen), implementing a *High Cohesion, Low Coupling* design that separated concerns into services, resolvers, and mappers, all based on Domain-driven architecture.
- **Enhanced system quality** by implementing automated unit and integration tests using Ginkgo-Gomega, reducing *regressions by 30%*.
- **Spearheaded the implementation of complex backend algorithms**, including fine-grained mutations using reflections, relay pagination with advanced filtering using generics, a Jira-like Lexorank algorithm for custom ordering, and transactional jobs queuing, etc.
- **Streamlined development tooling and configuration** by integrating Viper for environment management, Uber/fx for dependency injection, and GraphQL Codegen for type-safe schema generation.
- **Engineered a robust logging using Zap**, enabling categorized log levels and reducing *mean debug time by 50%* and improving monitoring, error tracking, and debugging efficiency.
- **Designed and launched the subscription model and payment infrastructure for the platform**, integrating Stripe webhooks to manage *\$35k MRR*, billing, tiers, licenses, and subscriptions, leveraging River queue workers for async execution, successfully steering towards the SAAS vision.
- **Automated key business workflows by building a document generation and e-signing service** with PDFMe, removing *5h/week manual work* leveraging digital contracts and using Maizzle for templating and generation of responsive, transactional emails.
- **Architected a real-time, hierarchical document management system** inspired by Notion with recursive CTE-based access controls, direct-to-S3 presigned polymorphic file uploads.
- **Optimized the frontend architecture** by refactoring the codebase to use reusable, type-safe components (MantineUI), custom hooks, and DRY principles to reduce code duplication.
- **Engineered a robust Role-Based Access Control (RBAC) system** enforcing granular permissions, protecting sensitive data allowing users access features relevant to their privileges.
- **Designed and implemented a multi-factor authentication (MFA/2FA)** and transaction signature flow, significantly enhancing account security and ensuring compliance with industry standards.
- **Engineered caching and state management** with Apollo Client using normalized caching, fragmentation, optimistic mutations and reactive variables enhancing *Web metrics by 40%*.

**Technologies used:** Go (Golang), GraphQL, GQLGen, PostgreSQL, GORM, AWS/Minio S3, Viper, Uber/fx, Ginkgo, Gomega, River Queue, Maizzle, Twilio, Typescript, React/Next.js, MantineUI, Apollo GraphQL, Codegen.

<https://finly.ch>

## Certifications

---

### AI Engineer Agentic Track: The Complete Agent & MCP Course

February 2026  
Udemy

### Ethereum and Solidity

March 2023  
Udemy

### Next.js 12 & React - The Complete Guide

September 2020  
Udemy

### React - The Complete Guide

July 2020  
Udemy

### Angular - The Complete Guide

June 2020  
Udemy

### The Web Developer Bootcamp

April 2020  
Udemy

## Awards

---

**High Achievers Award** August 2017  
Edexcel A'Levels

**High Achievers Award** August 2016  
Edexcel AS'Levels

**High Achievers Award** August 2015  
Edexcel O'Levels

## Volunteering

---

### Blue Synergy

June 2016  
Muscat, Oman

### Oman Cancer Association

June 2015  
Muscat, Oman

## Experience (contd.)

---

### Histofy

Coventry, United Kingdom (Offshore)  
Senior Full Stack Developer (Full-Time) March 2023 - August 2023  
Developed and particularly led frontend engineering for a sophisticated AI platform specializing in computational pathology and tissue-based diagnostics, used for cancer detection and procuring early diagnosis (*my proudest work yet*)

- **Established a foundational backend structure for multi-tenancy** by implementing a basic Role-Based Access Control (RBAC) system and an organizational hierarchy, enabling support for distinct user roles and teams.
- **Collaborated closely with the backend team to design and define the core API for a high-performance image tiling service**, enabling the efficient delivery of terabyte-scale pathology slides to the client for real-time analysis.
- **Engineered the API communication layer** that allowed the frontend to submit diagnostic requests to the backend AI models and efficiently receive and visualize the cancer detection results (e.g., heatmaps, probability scores)
- **Selected to lead frontend development (Next.js)** for a high-stakes, complex medical diagnostics project, where we ended up successfully delivering the product *1.5 months ahead of schedule*.
- **Engineered a high-performance rendering solution** for terabyte-scale medical imagery, utilizing OpenSeadragon and OpenLayers to enable seamless web-based interaction for cancer detection.
- **Modernized the application's state management** by integrating Redux Toolkit (RTK), replacing the legacy API system with RTK Query to introduce efficient data caching and simplify asynchronous logic.
- **Constructed the UI framework based on Atomic Design principles**, by Brad Frost, creating a reusable component library that improved maintainability.

**Technologies used:** NestJS, Postgres and PostGis, TileServerGL, Next.js, Redux Toolkit, TypeScript, OpenSeadragon, Openlayer

<https://histofy.ai>

### Zeros

California, United States (Remote)  
Full Stack Developer (Full-Time) July 2021 - March 2023

- **Played a pivotal role in securing a funding round from On-deck** by delivering products that demonstrated exemplary growth and innovation.
- **Boosted client lead generation** by creating a cross-platform desktop application that automated user analytics, **eliminating over 2 hours of manual feedback collection per sales employee**.
- **Promoted to Team Lead, overseeing a team of 5 interns/members**, and assumed comprehensive ownership across the SDLC including architecture, DevOps, QA, and project management to deliver innovative web solutions.
- **Enhanced company-wide developer skills** by conducting in-house workshops on Git workflow best practices and modern coding standards for new interns.
- **Designed and built a secure, embeddable learning tool** adopted by **Facebook** for their internal employee training programs.
- **Engineered a lightweight, inline widget framework** allowing clients to embed custom outsourced functionalities in their own products.

**Technologies used:** Express/Node.js, Next.js, jQuery, Redux Toolkit, TypeScript, JavaScript, Tailwind, Azure

<https://zeroshq.com>