

# M. Ahmed


Software Developer

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## Profiles

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## Summary

I'm a hard-working & self-motivated person. I enjoy solving programming problems. I have 4+ years of experience building web applications, backend services and everything in between. I'm deeply interested in learning how things work. My current interests are networking, cloud infrastructure & distributed systems.

## Experience

### Brookbush Institute

Lead Full-stack Developer

<https://www.brookbushinstitute.com>

August 2022 - Present

New York City, NY - Remote

- Currently leading a team delivering weekly features for a platform with **100,000+ monthly users and 4,000+ paid members**.
- **Executed a zero-downtime migration** from Hasura to PostgreSQL, optimizing performance.
- Implemented Redis caching and designed a **scalable microservices architecture** with Fastify & Railway.
- Architected a full web app rewrite using Next.js, Stripe, Braintree, and Clerk, optimizing **Core Web Vitals and performance**.
- Designed and implemented an **event-driven architecture for payments, authentication, CMS, and other critical workflows**.
- **Developed a custom payment and referral system** using Stripe and Braintree.

### Robor Systems

Full-stack Developer

<https://robor.systems>

March 2021 - August 2022

Islamabad, Pakistan - Remote

- **Part of a team of 3 developers**, delivering SPAs, scalable microservices, and domain-specific applications for multiple clients.
- **Built and optimized web crawlers** using **AWS CDK, Lambda, API GW and Puppeteer**, alongside **performance tuning for legacy systems**.
- **Worked on crypto integrations**, implementing **blockchain APIs** and secure payment solutions.
- **Led the frontend team** to launch one of **Europe's DeFi marketplaces for NFTs**.

## Education

Queen's University, Canada

Innovation & Entrepreneurship

2024 - 2025

Master's Degree

NUST, Pakistan

Computer Science

2019 - 2023

Bachelor's Degree

## Skills

### Frontend

React, NextJS, Astro, Stripe, Braintree, Tailwind, Remix, AWS Amplify, Framer Motion, Zod

### Backend

Fastify, Express, NodeJS, Postgres, Prisma, Redis, Bun/Elysia, Puppeteer, OAuth

### Cloud

S3, EC2, VPC, Lambda, DynamoDB, RDS, CloudFront, API Gateway, SNS

### CI/CD

Docker, Husky, CloudFormation, GitHub Actions, Fly.io, Vercel, Railway, Linux, Netlify

## Certifications

Solutions Architect - Pro

Amazon Web Services

[Link](#)

DevOps Engineer - Pro

Amazon Web Services

[Link](#)

SysOps Admin - Associate

Amazon Web Services

[Link](#)

Developer - Associate

Amazon Web Services

[Link](#)

## Languages

TypeScript

JavaScript

Go

Java

SQL