

Asazad Amir Pathan

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Professional Summary

Full-Stack Developer with **3+ years of experience** building scalable healthcare and medical billing applications using **Angular** and **Python (FastAPI)** with **Microsoft SQL Server**. Azure-certified developer (**AZ-204**) with hands-on experience deploying cloud-native solutions. Passionate about integrating **AI/ML technologies** into healthcare workflows for claim analysis and intelligent automation. Proven track record of delivering user-centric features, optimizing performance, and collaborating in Agile teams to drive measurable business outcomes.

Technical Skills

- **Languages:** Python, JavaScript, TypeScript, SQL
- **Backend:** FastAPI, REST APIs, Microservices
- **Frontend:** Angular 16, RxJS, Angular Material, HTML5, CSS3, Bootstrap
- **Database:** Microsoft SQL Server, SQLite
- **Cloud & DevOps:** Microsoft Azure (Certified AZ-204), Azure DevOps, CI/CD Pipelines, Git
- **AI/ML:** OpenAI API, Azure OpenAI, Google Gemini, Model Fine-tuning
- **Methodologies:** Agile, Scrum

Experience

Software Engineer — IntegraConnect — Apr 2025 – Present

- Architected and maintained scalable **Angular** applications with **RxJS** and **Angular Material**, integrated with **FastAPI** microservices deployed on **Azure App Service**.
- Implemented OAuth2-based authentication and role-based access control, enhancing application security for enterprise healthcare clients.
- Mentored 3 junior developers through code reviews and pair programming, improving team code quality and delivery speed.
- Led experimental AI/ML initiatives for claim-denial prediction and document parsing, creating proof-of-concept modules that reduced manual review time.

Programmer — IntegraConnect — Aug 2022 – Mar 2025

- Built responsive, accessible **Angular** frontends using **RxJS** for reactive state management and real-time data updates.
- Developed **FastAPI** backend services with RESTful APIs, integrating SQL Server databases to handle healthcare claim processing workflows.
- Optimized SQL Server queries and implemented indexing strategies, reducing query response time by **40%** and improving application performance.
- Automated claim validation workflows using **Python scripts** and **Azure Functions**, reducing processing errors by **25%** and saving 15 hours/week in manual review.
- Collaborated in Agile/Scrum teams, participated in sprint planning, and delivered features aligned with client requirements and business goals.

Education

B.Tech. in Computer Science and Engineering

Dr. Babasaheb Ambedkar Technological University — CGPA: **9.42/10** — 2018 – 2022

Projects

Denial Management System — 2025

- Fine-tuned pre-trained AI/ML models on healthcare claim datasets to predict claim denials with improved accuracy, enabling proactive revenue cycle management.
- Built a **FastAPI**-based microservice to integrate AI predictions into production workflows, supporting real-time denial analysis for medical billing teams.
- Developed an **Angular** dashboard for visualizing claim denial insights, enabling faster decision-making and supporting revenue recovery efforts.
- Implemented data preprocessing and feature engineering pipelines in **Python** to ensure reliable model inputs and consistent predictions.

Insurance Claim Management System — 2024

- Modernized the claim submission and tracking interface using **Angular** and **FastAPI**, improving usability and workflow efficiency for medical coders.
- Integrated secure claim data handling with **SQL Server**, implementing stored procedures and query optimization for faster data retrieval.
- Automated claim validation workflows with **Python**, reducing processing errors by **20%** and increasing claim throughput.
- Deployed the application on **Azure App Service** with CI/CD pipelines using **Azure DevOps**, enabling continuous delivery and zero-downtime updates.

Certifications

- **AZ-204**: Microsoft Certified Azure Developer Associate – Microsoft
- Generative AI Essentials – Educative
- Web Development with Angular – LinkedIn Learning
- SQL Essential Training – LinkedIn Learning

Achievements

- Promoted to Software Engineer at IntegraConnect based on consistent performance, leadership, and technical contributions.
- Delivered multiple high-impact features adopted by enterprise healthcare clients, directly contributing to improved operational efficiency and revenue growth.