

Tamal Paul

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PROFILE SUMMARY

Dedicated and driven software developer aiming to kick-start a rewarding career in the field, leveraging my self-study, determination, and ability to work collaboratively in development teams to deliver high-quality solutions, clean codes and problem solving.

EDUCATION

American International University - Bangladesh, Dhaka, Bangladesh
B.Sc in Computer Science and Engineering (Software Engineering)

2020 — 2023
CGPA: 3.74

Giasuddin Islamic Model College, Hirajheel, Narayangonj, Bangladesh
Science

2017 — 2019
GPA: 4.92

SKILLS

Languages: Java, HTML, CSS, JavaScript, TypeScript

Frameworks: Spring Boot, React

Databases: MySQL, PostgreSQL

Version Control: Git, GitHub, GitLab

Cloud & DevOps: Docker, AWS, DigitalOcean, CI/CD (GitHub Actions)

Collaboration & Methodologies: Agile (Scrum), teamwork, effective communication

PROJECTS

CareInvoice

Project Link: github.com/paultomal/Billing-System

- Spring Boot-based healthcare billing system covering patient registration, appointments, prescriptions, investigations, and billing.
- JWT authentication and role-based access control for secure multi-user, multi-organization access.
- A layered architecture with Spring Data JPA, Hibernate, and MySQL for scalable and reliable data management.
- Automated billing, drug inventory tracking, and scheduling to streamline healthcare operations.

DocsManager

Project Link: github.com/paultomal/DocsManager

- A secure RESTful document management system
- Document CRUD operations, and priority-based document workflows.
- Integrated PDF generation, email notifications, and input validation for enterprise use.
- Built with Java 17, Spring Boot, Spring Security, JPA, and MySQL for scalability and maintainability.

EXPERIENCE

Bem Group Agency

Jr. Backend Developer

Remote

May 2024 – June 2025

- Developed and maintained Spring Boot microservices and REST APIs for invoicing, AI image generation, and music platforms, integrating PostgreSQL, Redis, and cloud storage (AWS S3/CloudFront).
- Built async/background tasks, caching, and messaging systems using RabbitMQ, Redis, and scheduled jobs for scalable performance.
- Developed PDF/document generation, reporting, and API documentation (Swagger/OpenAPI) to support business and operational workflows.

Square Health Ltd

Software Engineer Intern

Mohakhali, Dhaka, Bangladesh

Jul 2023 – Oct 2023

- Developed RESTful APIs with Spring Boot, Java 17, and MySQL for secure, role-based document management, including CRUD operations and PDF generation.
- Implemented JWT-based authentication, Spring Security, and email notifications to ensure secure workflows and user alerts.