

Shovon Lal Chakroborty

Software Engineer

Contact



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[Portfolio](#)



[GitHub](#)



[LinkedIn](#)



Dhaka, Bangladesh

Education

Chittagong University of Engineering & Technology

March-2014 to December - 2018

BSc in Computer Science and Engineering

Result : 3.13 out of 4.00

Skills

• Languages/Frameworks:

- Node.js(Express,NestJS),Laravel, Vue.js,React,TypeScript,JavaScript

• Databases:

- MySQL,PostgreSQL,MongoDB,Redis

• DevOps / Cloud:

- Docker, AWS (EC2, S3, RDS,Load Balancer),Digital Ocean (Droplet,Space), CI/CD,RESTful APIs

• Tools:

- Git, Jira, Trello, Slack

• Others:

- REST API, Microservices,Kafka, Database Design, Project



Experience

Senior Software Engineer

Genius Farms Ltd

April 2020 – Present

- Promoted from Software Engineer in 2022.
- Designed and scaled backend systems using Node.js (Express NestJs), Laravel, MySQL,PostgreSQL, Redis, powering multiple SaaS platforms and high-traffic enterprise applications.
- Optimized API and database performance through caching, indexing, and architecture improvements, significantly reducing latency and increasing system reliability.
- Built multi-tenant platforms, real-time data pipelines, and automated schedulers for large-scale automotive, supply-chain, and healthcare products.
- Integrated complex third-party features including payment gateways, Socket.IO real-time communication, AI-driven workflows, and audio/video streaming.
- Led backend planning, system design, code reviews, and mentoring, improving engineering quality and accelerating team delivery in Agile environments.

Jr. Software Engineer

Soft BD Ltd

July 2019 – March 2020

- Built and maintained web applications and CMS platforms using Laravel, PHP, and MySQL, delivering production-ready features for multiple client projects.
- Gained strong grounding in backend fundamentals, setting the foundation for rapid progression.

Certifications

- JavaScript – HackerRank Certificate
- SQL – HackerRank Certificate

Achievements

- Employee of the Quarter (6 times), Genius Farms Ltd
- 7th place – CUET CSE Fest Programming Contest 2018
- 9th place – CUET CSE Fest Programming Contest 2017

Projects

Dr. Chashi – AI-Driven Agriculture Platform

- Built backend for AI-powered crop-disease detection platform using Node.js, MySQL, Redis, REST APIs.
- Enabled real-time diagnosis, e-commerce ordering, inventory tracking, and analytics for farmers.
- Designed scalable APIs and optimized workflows for high-volume image processing across multiple modules.
- Made the API's 60% faster than the old version and improved uptime to 99%

Drive Arabia – Multi-Vendor Automotive Aggregator

- Engineered data pipelines and cron jobs to aggregate vehicle data from multiple countries using Node.js, MongoDB, REST APIs.
- Optimized backend for large datasets and implemented priority search filters for a high-traffic marketplace.
- Developed promotional feature workflows to enhance user engagement and revenue potential.
- Supported millions of requests monthly as it was a High-traffic platform.

We-Link – SaaS Job & Assessment Platform

- Developed a multi-tenant recruitment system with Node.js, MySQL, Redis, Socket.IO, Video Streaming, Payment Gateway.
- Implemented real-time interviews, secure payment flows, and performance-optimized APIs for large-scale hiring operations.
- Streamlined candidate onboarding and assessment pipelines for enterprise clients. Handled course assessments and evaluation workflows.

De Car Auto – Car Service Management Platform

- Developed a subscription-based service platform for car service providers and users using Node.js, MySQL, Redis, REST APIs, React.js
- Enabled providers to onboard, list services, and manage bookings efficiently.
- Implemented user-facing features: find nearby providers, book services, rate experiences, and receive automated invoices and reports.
- Designed scalable APIs and backend workflows to support real-time operations and high-volume transactions.

Dental Medical Service

- Built a marketplace connecting dentists with labs and tech providers using Node.js, MySQL, REST APIs, Socket.IO, and Payment Gateway.
- Enabled dentists to place orders and interact with labs/tech companies for product delivery

Supply Chain Management – Agriculture Traceability App

- Built backend services for end-to-end crop traceability, order processing, and accounting with Node.js, MySQL, React.js
- Developed structured APIs for aggregators and contract farmers, supporting real-time supply chain visibility.
- Enabled scalable operations for large-volume agricultural supply chains.
- Impacted on reducing cost and loss of old manual systems

Younivers – Mental Health Improvement Mobile App

- Developed a platform for parents and teens to access courses, workshops, and interactive games using Node.js, MySQL, Redis, REST APIs, Socket.IO, and Audio Streaming.
- Implemented real-time communication and notifications for live workshops and interactive sessions.
- Designed scalable backend APIs to manage multimedia content, track course progress, and handle high concurrent user activity.
- Enhanced user engagement through interactive games, personalized learning paths, and audio streaming features.

Asteric Workspace – SaaS CRM Platform

- Developed a CRM system for companies to manage leads and track sales pipelines using Node.js, MySQL, REST APIs, Socket.IO, and Payment Gateway.
- Enabled users to create and manage marketing campaigns to engage and up-sell services to leads effectively.
- Designed scalable backend workflows and APIs to handle high-volume lead data and real-time interactions.
- Implemented payment integrations and analytics dashboards, providing insights on campaign performance and lead conversion.

School and Learning Management System

- Developed a platform for schools to manage teachers, students, and academics using Laravel, MySQL, and Live Class System.
- Enabled online/offline classes, exams, class materials, and school workflow management, streamlining academic operations and engagement.