Zannatul Naim

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WORK EXPERIENCE

Cielara AI — Nov 2025 – Present
Software Engineer — *Redmond, Washington, United States*
- **Stack**: Go, Python, Kubernetes

Synesis IT — June 2024 – Oct 2025
Software Engineer I — *Dhaka, Bangladesh*
- Designed and implemented real-time notification system using WebSocket to serve 1000+ concurrent users.
- Engineered a WebRTC monitoring system to diagnose performance bottlenecks in large-scale video calls.
- Developed a scalable centralized management tool with Spring Boot 3 (backend) and React.js (frontend).
- Engineered a desktop application with Go and Wails for native cross-platform compatibility.
- **Stack**: Go, Wails, Spring Boot 3, React.js, WebSocket, RabbitMQ, Redis

Sentien.io — Jan 2024 – June 2024
Software Engineer — *Newark, Delaware, United States*
- Led a 5-engineer team to boost productivity and collaboration delivering key infrastructure improvements.
- Implemented Infrastructure as Code with Terraform, cutting costs by 47.5% and increasing uptime.
- Engineered automated CI/CD pipelines using GitHub Actions to accelerate both Windows & Linux deployments.
- Introduced shared schema migration framework ensuring data consistency across microservices.
- **Stack**: Flask, React.js, Terraform, GitHub Actions, Docker, Azure

Warranty-Worx — Mar 2023 – Dec 2023
Software Engineer (Part-Time) — *California, United States*
- Built MERN stack warranty platform serving 500+ users reducing processing time by 60%.
- Maintained 99.9% uptime deploying on Render.com infrastructure.
- **Stack**: MongoDB, React.js, Express.js

ICT Cell, BUET — Oct 2021 – Mar 2023
Software Engineer (Part-Time) — *Dhaka, Bangladesh*
- Led backend for BUET's Job Portal (1,000+ users, 200+ concurrent) optimizing for scale.
- Improved performance by 40% via caching and PostgreSQL query optimization.
- Maintained high availability and resolved 15+ critical production issues with Docker and Nginx.
- **Stack**: Python, PostgreSQL, React.js, Docker, Nginx

PROJECTS

- **Scalable Websocket:** Go WebSocket server supporting 10,000+ concurrent connections. [*Go, RabbitMQ, Redis, k6*]
- **Soul Animal:** Terraform infrastructure project for Azure, reduced manual errors by 85%. [*Terraform, Azure*]

TECHNICAL SKILLS

- **Languages: Proficient:** Go, JavaScript, Python **Familiar:** Java, SQL
- **Backend Frameworks:** Express.js, Flask, Spring Boot
- **Tools & Technologies:** Docker, Nginx, RabbitMQ, Redis, Terraform
- **Databases & Cloud:** PostgreSQL, MySQL, AWS, Azure

EDUCATION

Bangladesh University of Engineering and Technology — 2019 – 2024
Bachelor of Science in Computer Science and Engineering

EXTRACURRICULAR ACTIVITIES AND ACHIEVEMENTS

- **DevOps Hackathon Organizer:** Arranged DevOps hackathon with 50+ participating teams.
- **DevOps Workshop Instructor (BUET CSE Fest 2023):** Led hands-on CI/CD workshop. @workshop-demo
- **DU-IIT IT-Verse 2023 (DevOps): Winner** – Built tax return platform for 1,000+ users. [*AWS ECS, GitHub Actions, Terraform*]
- **BUET CSE Fest Hackathon 2022 (DevOps): Winner** – Built highly available vaccination registration system. [*AWS CodePipeline, Load Balancer*]