

# Nayeem Uzzaman

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Dhaka, Bangladesh

## EDUCATION

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- **University of Dhaka** Dhaka, Bangladesh  
*B.Sc. in Computer Science and Engineering; CGPA: 3.45/4.00* 2019 – 2023; Graduated Jan 2024

## EXPERIENCE

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- **KraitLabs** Dhaka, Bangladesh  
*R&D Engineer — Application Security Posture Management (ASPM)* Sep 2024 – Present
  - **Security Orchestration Platform:** Built and maintain an internal ASPM platform that continuously scans repositories, cloud accounts, containers, and domains, unifying SAST, DAST, dependency, and container-image scanning using Semgrep, Trivy, Gitleaks, Prowler, Nuclei, and OWASP ZAP into a single pipeline.
  - **Call-Graph API Scanner:** Designed a static analyzer that parses backend repositories via LSP and tree-sitter to auto-discover every API endpoint and construct a call graph of functions reachable from each route entry point across FastAPI, Spring Boot, ASP.NET Core, Express, and Laravel.
  - **Agentic Vulnerability Analysis:** Developed LLM-driven agents that traverse generated call graphs to surface exploitable vulnerabilities and build automated API inventories, sharply reducing manual triage.
  - **Cloud & Kubernetes Delivery:** Shipped and scaled the product on AWS EKS using ArgoCD GitOps pipelines and Karpenter node autoscaling; orchestrated on-demand security scans as Kubernetes Jobs.
  - **Security-First Infrastructure:** Hardened cloud infrastructure with least-privilege IAM roles, AWS Secrets Manager, firewall/network segmentation, and TLS/SSL, applying OWASP principles across the SDLC.
  - **IaC & CI/CD:** Provisioned AWS and GCP Cloud Run infrastructure with Terraform, and built continuous-delivery pipelines with GitHub Actions and Jenkins; containerized workloads with Docker and Kubernetes.
- **Penta Global Limited** Dhaka, Bangladesh  
*Software Engineer* Mar 2024 – Jul 2024
  - **BDRIS Frontend:** Built registration form flows, admin panels, and backend API integrations for the national Birth Registration Information System.
  - **Stack:** Delivered features with React Vite, TypeScript, Redux Toolkit, and RTK Query; collaborated through GitLab.

## PROJECTS

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- **JPLens (C#, Kotlin, WinRT OCR, MeCab):** Desktop and Android app that highlights and translates Japanese morphemes on-screen in real time using native Windows OCR / Android ML Kit, MeCab morphological analysis, and the Google Translate API — built to ease gaming in Japanese and accelerate language learning.
- **Discord MCP Toolkit (C#, Python):** An MCP tool suite that lets AI-driven Discord bots execute commands and functions from natural-language instructions.

## TECHNICAL SKILLS

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- **Languages:** Python, C#, Java, C++, JavaScript/TypeScript, Kotlin
- **Backend & Web:** FastAPI, Spring Boot, ASP.NET Core, Express.js, React Vite
- **Cloud & DevOps:** AWS EKS, ECR, S3, ALB, IAM, Secrets Manager, RDS; GCP Cloud Run; Docker, Kubernetes, ArgoCD, Terraform, Karpenter, GitHub Actions, Jenkins
- **Security / DevSecOps:** SAST/DAST, dependency & image scanning, Semgrep, Trivy, Gitleaks, Prowler, Nuclei, OWASP ZAP, OWASP Top 10, least-privilege IAM, TLS/SSL, ASPM
- **Databases:** PostgreSQL, Amazon RDS, Firebase
- **Other:** LSP, tree-sitter, Git/GitLab, Linux

## CERTIFICATIONS & ACHIEVEMENTS

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- **ITEE Fundamental IT Engineer FE, Level 2 — Full Passer** IPA / ITPEC / BD-ITEC, Oct 2025 — *ranked 4th nationally.*
- **12th place,** PKI Contest CCA — Team DU Ucklings.
- **69th place,** Code Samurai 2022 Preliminary — Team DU Monkedu.