Jannatul Ferdows

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EXPERIENCE

- **Optimizely** — Dhaka
  Senior Software Engineer — *Oct 2019 – Present*
  Content Marketing Platform – AI-powered SaaS platform for asset and campaign collaboration and execution
  - Upgraded mongoose major version twice single handedly across 8 microservices over last 1.5 years for upgrading MongoDB cluster, improving API response times and enabling enhanced TypeScript support for development team productivity
  - Built and maintain event-bus package for microservices communication (Node.js & Python), leading development with 1 junior engineer and establishing event standards adopted by 4 development teams
  - Developed unified resource dashboard enabling users to view and search across all assets, leveraging Elasticsearch for high-performance queries and managing multiple zero-downtime index migrations
  - Proposed and led 3-person hackathon team to build user impersonation feature enabling admin read-only access to client accounts, winning 'Most Upvoted' category and streamlining customer support operations
  - Built freemium product tier enabling free user onboarding with resource limitations, expanding user base from paid-only model and significantly increasing conversion pipeline
  - Enhanced social media API integrations (YouTube, LinkedIn, Facebook, Twitter, WordPress) improving client publishing reliability and platform capabilities for content distribution
  - Implemented LexoRank algorithm for drag-and-drop card reordering in CMP board view, enabling seamless jira-like user experience for organizing resources
  - Authored technical specification and developed proof-of-concept for MS Office 365 embedded editor integration using WOPI protocol, enabling in-platform multi-user document editing capabilities that was adopted and implemented by another team

- **AppsCode Inc.** — Dhaka
  Software Engineer — *Nov 2018 – Aug 2019*
  Integrated Development Platform for containerized apps
  - Built Knative Eventing Source using Kubebuilder framework in Go, enabling event-driven microservices architecture for containerized applications
  - Enhanced Voyager ingress controller (Kubernetes/HAProxy-based) by implementing new HAProxy features and resolving critical production issues

EDUCATION

- **Chittagong University of Engineering and Technology** — Chittagong, Bangladesh
  Bachelor of Science in Computer Science — *2018*

TECHNICAL SKILLS

- **Languages**: Go, Node.js, TypeScript, Python, C++

- **Databases**: MongoDB, Elasticsearch, MySQL

- **Cloud & Infrastructure**: Kubernetes, Docker, AWS, GCP

COMPETITIVE PROGRAMMING ACHIEVEMENTS

- International Competitions
  - 350th, Facebook Hacker Cup Round 2 (2018) — 1,415 participants
  - 160th, Google Code Jam to I/O for Women (2019) — 1,000+ participants
  - 20th, Booking.com All Women Hackathon (2018) — 851 participants

- National Championships
  - Champion, National Girls Programming Contest (2017) — 115 teams
  - 2nd, National Collegiate Programming Contest (2017) — 150 teams
  - 10th, ACM ICPC Regional Dhaka Site (2016) — 120 teams