Name: A K M Rabby

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Objective: Senior Software Engineer

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Technical Skills

- **Frontend:** JavaScript, React.js, CSS, Redux, Bootstrap.
- **Backend:** Django, Django REST Framework, Python.
- **DevOps:** Docker, Kubernetes, Terraform, Github Actions, AWS Services.
- **Database Tools:** PostgreSQL, SQLAlchemy, Alembic, MySQL, MS SQL Server, Redis, Neo4j, Cassandra.
- **Programming Languages:** Python, JavaScript, C/C++, PHP, Java.
- **Monitoring:** Grafana, Kibana, Datadog, PagerDuty.
- **Others:** Git, Agile Methodologies, Twilio, Sendgrid, Stripe.

Education

- **Bachelor of Science in Computer Science and Engineering**
  Rajshahi University of Engineering and Technology, Bangladesh – 2014 to 2018
- **Higher Secondary School**
  Ananda Mohan College, Bangladesh – 2012 to 2013

Work Experience

- **DevOps Engineer,** Galt Sudoers – April 2023 to Present
- **Software Engineer,** ADEx Document Intelligence – September 2022 to January 2023
- **Senior Software Engineer,** Enosis Solutions – December 2020 to August 2022
- **Software Engineer,** Enosis Solutions – December 2018 to November 2020

Projects

- Testrail: A web-based test case management tool. It is used by testers, developers and team leaders to manage, track, and organize software testing efforts.
  - Manage and optimize a highly scalable Kubernetes infrastructure, supporting approximately one million active users globally, ensuring reliable service delivery.
  - Integrated Cluster Autoscaler for deployment optimization, leading to a 30% cost reduction in auto scaling groups by efficiently managing resource allocation.
  - Automated repetitive tasks like clone client db, running cassandra repair; using scripting and tools, reducing manual interventions and cutting down developer workload by 20%.
  - Engineered and maintained Infrastructure as Code (IaC) solutions, ensuring consistent and reproducible environments across development and production.

- [ADEx](): Adex is a document processing analyzing and reviewing platform using Artificial Intelligence and web technologies
  - Designed and implemented a feature for seamless synchronization of users' Google Drive, enhancing document processing and user experience.
  - Developed and optimized RESTful APIs, introducing new functionalities and improving system performance.
  - Enhanced API performance by up to 70% through optimization techniques and leveraging Akka actors for efficient parallel processing.
  - Technology used: Spring framework, MongoDB, Neo4j.

- [Practice by Numbers:]() This application provides dentists to inspect important data and metrics that are required to accelerate the progress of any dental practice.
  - Optimized complex SQL queries for critical features, resulting in a 90% improvement in API latency and significantly enhancing application responsiveness.
  - Developed a custom URL shortener service for tracking and analyzing user interactions, enabling data-driven insights.
  - Conducted analysis and estimation of large-scale features, contributing to project planning and execution.
  - Assisted in sprint planning, mentoring junior team members and ensuring alignment with project timelines.
  - Technology used: Django REST, SQLAlchemy ORM, React.js, PostgreSQL, Multiple AWS services

- [InspectCheck](): An inspection application is designed specifically for multi-family and affordable housing property types.
  - Developed and optimized stored procedures for generating detailed reports, ensuring accurate data retrieval and processing.
  - Automated the generation and distribution of PDF reports, streamlining communication with users and reducing manual effort.
  - Conducted independent task analysis and estimation, providing accurate timelines and technical insights for project tasks.
  - Technology used: PHP, JavaScript, SQLServer, JQuery.

Other Activities

- **1st Runners Up**, VU Inter University Programming Contest 2017
- **13th place**, CUET National Collegiate Programming Contest 2017
- **Divisional Champion**, UAP National Collegiate Programming Contest 2016
- **1st Runners Up**, Intra RUET Programming Contest 2016
- Codeforces Highest rating – [Expert(1726)]()
- Solved 2000+ problems in miscellaneous online judges.