Khaled Hasan Sazzad

ML, AI, Data Science

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Profile

Software developer with 7 years of experience in an agile environment, now focused on transitioning to the fields of machine learning and artificial intelligence. Seeking an opportunity to leverage my background in software development and my growing expertise in data science to solve complex problems and drive innovation.

Professional Experience

12/2022 – 03/2024
Nürnberg, Germany

Full-Stack Developer, Werkstudent, *ABL Solutions GmbH* ⧉
Network solutions, hardware and campaign tools provider. Their software as a service is called OCMP. It is a multi purpose tool to provision, monitor and analyze network infrastructure and design and deliver online marketing campaigns.

Skills: Javascript, Typescript, React, Node, PostgreSQL, MongoDB, Reddis

- Developed RESTful API and services for 16 months
- Implemented top performing location feature by aggregating historical data to help customers with analysis.
- Analyzed the code base and suggested a course of action for 20+ quality improvement and tech debt minimization
- Contributed to real time location based vehicle tracking feature for all 3 transportations of VAG association in Nurnberg (bus, tram, subway) in OCMP.
- Improved WIFI occupancy analysis for public transports, shops, hotspots, offices using data from RabbitMQ and relaying via data pipelines (Apache NiFi) to provide better accuracy.

11/2015 – 06/2022
Dhaka, Bangladesh

System Developer, *Tendereasy AB* ⧉
Online tendering solutions provider for international freight logistics and shipping companies.

Skill: Java, Javascript, Typescript, Angular, Spring, MySQL, MariaDB, Hibernate, JPA

- Implemented complex source and destination (1000+ locations) analytics which helped customers to get complete idea about benefits for the tool.
- Visually integrated the analysis using Google Maps into application dashboard which was used in marketing campaigns to promote sales.
- Planned and architected the migration from AngularJS to Angular 6+ which improved the whole frontend code quality and structure
- During the last 2 years took charge of whole backend development to contribute in a larger extent

Education

2022 – present
Erlangen, Germany

Master of Science, Data Science, *Friedrich-Alexander-Universität Erlangen-Nürnberg* ⧉
Major: Artificial Intelligence / Machine Learning
Courses: Pattern Recognition, Artificial Intelligence, Deep Learning, Machine Learning in Finance

2011 – 2015
Sylhet, Bangladesh

Bachelor of Engineering , Computer Science and Engineering,
Shahjalal University of Science & Technology ⧉

Skills

Programming Languages — Python ⏐ Java ⏐ Javascript

Machine Learning — PyTorch ⏐ HuggingFace ⏐ Transformers

Database — SQL ⏐ MySQL ⏐ MariaDB ⏐ PostgreSQL ⏐ NoSQL ⏐ MongoDB ⏐ Reddis

Web Application — Spring / SpringBoot ⏐ Angular ⏐ React / Next.js ⏐ Node / NodeJS / express ⏐ HTML / HTML5 ⏐ CSS / CSS3 / LESS / SASS

Devops — Amazon EC2, RDS, ECS ⏐ Docker ⏐ Gitlab CI ⏐ Jenkins

Languages

English
C1, Corporate Fluent, Negotiation fluent
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Deutsch
A2, Basic
●○○○○

Publications

01/2019 **KEYWORD EXTRACTION IN BANGLA SCIENTIFIC DOCUMENTS** ⬈
- Developed and executed an innovative approach for automated keyword extraction from Bangla scientific documents; integrated unsupervised and supervised machine learning models to enhance accuracy and efficiency significantly