MAHA KHAN
SOFTWARE ENGINEER

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SUMMARY

A Software Engineer with 3+ years of experience in optimizing digital platforms. At Creative Chaos, I contributed to the redevelopment of the UK's largest real estate platform, significantly improving its functionality and user experience through cross-functional collaboration and new feature implementation. As a Junior Data Scientist at The Talent Games, I developed data-driven insights and strategies, with expertise in data visualization and machine learning. With a Master's and Bachelor's in Computer Science from SZABIST University, my technical skills span JavaScript, Next.js (TypeScript), Material UI, Python, Tailwind, SQL, Excel, Machine learning and Django. I'm eager to apply my expertise to drive impactful digital innovations in a Software Engineer role.

SKILLS

Proficient Languages:
- JavaScript (ES6, ES7)
- Typescripts
- HTML/CSS
- Python

Implementational Areas:
- Frontend Development
- Backend Development
- Machine Learning
- Automation

Other Tools:

SOFTWARE ENGINEER • CREATIVE CHAOS• FEBUARY (2022) – PRESENT

- Promoted to Software Engineer for exceptional performance and contributions, particularly in managing STRAPI-related frontend integrations on my own, showing leadership, technical skills and task ownership.
- Rebuilt and developed one of the UK's leading real estate websites using NextJS, Strapi, and agile methodologies, resulting in better user experience and performance.
- Delivered multiple user stories and fixed complex bugs, showing dedication and attention to detail which contributed to the success of the real estate web project.
- Innovated and solved complex challenges by developing cutting-edge technical solutions.
- Established strong client relationships, ensuring seamless collaboration with global stakeholders and accurate translation of ideas into robust software solutions.
- Developed a tailored CMS solution on Unily for a corporate website, enhancing client operations.
- Engineered backend solutions for a monetary transactions and gift distribution project using Ruby on Rails and code containerization with docker.
- Enhanced software efficiency and quality by conducting comprehensive code reviews to uphold coding standards on GitLab.

JR. DATA SCIENTIST • THE TALENT GAMES • JUNE (2021) – JANUARY (2022)

- Built Power BI dashboards and reports that made an impact.
- Wrote Python scripts to automate backend processes and make things more efficient and centralized.
- Created custom dashboards and KPIs that aligned with business goals.
- Designed backend schema models for successful product launches.
- Cleaned and preprocessed data using Pandas and NumPy to increase data accuracy.

- Linux, Windows
- Version Control Systems: Git, GitHub, GitLab
- Postgres / MongoDB
- Power BI
- Jira / Confluence, Slack / Zoom, Figma
- Performance Insight / Lighhouse

Other Experiences:
- Ruby
- SQL
- Angular

Frameworks/Systems:
- Next JS, React JS, trpc, Prisma, Zustand
- Django, Ruby on Rails
- WordPress, Bootstrap, Tailwind CSS, shadcn, OOP

CERTIFICATIONS

- HackerRank: Frontend Developer (React) Certificate – *October 2024*
- HackerRank: Software Engineer (Role) Certificate – *July 2024*
- Scrum Foundation Professional Certification - SFPC™ - *May 2023*
- Google Project Management: Specialization – *March 2024*
- IBM: Data Science Foundations – Level 2 (V2) – *June 2021*
- freeCodeCamp: Responsive Web Design – *April 2023*
- Datacamp: Python Programmer, Data Analyst (SQL) – *August 2020*

LANGUAGES

- English – *C2*
- French – *A2*
- German – *A1*
- Urdu – *C2*

- Led automation projects to automate repetitive tasks and increase productivity.
- Managed data cleaning and web scraping to get timely insights.
- Contributed to a machine learning product that used neural networks and NLP.

BUSINESS DEVELOPMENT EXECUTIVE • REWTERZ INFORMATION SECURITY • SEPTEMBER (2020) – MARCH (2021)

SIDE PROJECTS

- Book Recommender*: A Flask-based machine learning project implementing a collaborative filtering algorithm for accurate, personalized recommendations.*
- Ecommerce Website*: Developed a full stack website based on NextJS, Headless CMS: Strapi and Tailwind CSS.*
- *TODO App: using the T3 stack which is Next.JS, TRPC and Prisma along with Zustand for state management.*
- Django REST Framework API*: Developed a RESTful API with Django REST Framework and PostgreSQL, featuring advanced filtering. Tools: Python, Django, DRF, PostgreSQL, Git, GitHub.*
- Django Social Media Web App*: This was purely a Django app, using template tags in the HTML templates for the frontend of the web application.*
- Twitter Sentiment Analysis: *using twitter's API, pandas, numpy and matplotlib.*
- Discord Chatbot using NLP and Neural Networks
- Automation Scripts using Python (OS, Selenium, Web Scraping)

EDUCATION

MASTER OF COMPUTER SCIENCE • SEPTEMBER 2022 - JULY 2024 • SZABIST UNIVERSITY

BACHELOR OF COMPUTER SCIENCE • SEPTEMBER 2016 - JULY 2020 • SZABIST UNIVERSITY

Extra Curriculars:
- *Societies: ZABMUN, ACM SZABIST, SES Entrepreneurial society.*

LEADERSHIP/VOLUNTEER EXPERIENCE

- Volunteered at Google I/O events, P@sha ICT Awards, and Best Place to Work.
- Participated in coding competitions like IBA ProBattle & Quiz Marathon hosted by the German Consulate.
- Wrote tech content for TechJuice.
- Served as Master of Ceremonies (MoC) at my university's convocation.
- AIESEC member in multiple roles of leadership.