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ABDULLAH S. KHAN
SOFTWARE ENGINEER

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WORK EXPERIENCE

Software Engineer – AI / ML Freelance Remote August 2024 – Present

Outlier AI

- Evaluated AI generated code in Python, JavaScript, and Java from LLMs for bugs and quality, providing structured feedback loops ensuring model optimization and accuracy.
- Analyzed model's ability to understand user's prompt requirements, identifying gaps and creating targeted feedback to improve model comprehension and response relevance.
- Collaborated with ML engineers to evaluate processes and task guidelines, contributing insights from hands-on testing to enhance quality of training data and model outcomes.

Software Developer KPMG LLP - Toronto, ON (Hybrid) November 2022 – November 2023

- Developed an automation tool in Python to generate security reports incorporating data processing and visualization, reducing generation time by 2-3 days and gaining stakeholder interest.
- Acted as a scrum master to deliver a prototype within a 4-week sprint, improving report generation efficiency by 60-80%.
- Integrated 100+ applications for large bank's infrastructure, resolving issues 15% ahead of schedule, ensuring smooth onboarding and exceeding client expectations.

Software Engineer Freelance Remote February 2022 – November 2022

eWorx - **Software Engineer – Backend**

- Developed full stack web features applying REST principles using React, Node.js, Express, PostgreSQL to deliver a user-friendly experience.
- Improved system performance through implementing secure, scalable APIs in Node.js and Express, ensuring smooth data flow and improved application functionality.
- Participated in Agile sprints, including peer code reviews and test-driven development (TDD), ensuring high-quality code deployment within tight deadlines.

PeerSupport.io - **Software Engineer – Full Stack**

- Developed and optimized backend services in Node.js and Express to support data integration for a multi-platform e-commerce integrator system, boosting performance.
- Integrated third-party APIs into existing integral PostgreSQL system, enabling real-time data synchronization.
- Contributed to database discussions, helping reduce technical debt and enhancing application efficiency.

Behaiviour - **Software Engineer - Backend**

- Collaborated with engineering team to optimize data storage operations using TypeScript, improving NoSQL data retrieval and reducing costs.
- Assisted with optimizing Redux components to React Query using TypeScript, improving state management and modularization.
- Gained exposure to real-time data processing through centralizing state management to share application resources, reducing database calls by 30-40%, improving efficiency.

Software Engineer Intern – Full Stack Romh's Educational Services - Remote, Canada June 2019 – December 2019

- Built a full stack web application that automated 50% of business processes, enhancing operational efficiency and reducing manual workload through digital transformation.
- Implemented a scalable, maintainable solution using best practices, SOLID principles and WordPress API, ensuring ease of use and maintainability for non-technical users.
- Created and maintained written documentation, ensuring accuracy and relevance for ongoing development efforts.

Software Developer / Data Analyst Co-op London Hydro - London, Canada May 2018 – August 2018

- Streamlined data collection from external APIs using Python scripting into internal systems, contributing to core software features.
- Created insightful reports measuring metrics for client engagement, fostering stakeholder attention, and leading to new project initiatives.
- Developed real-time integration with data-driven dashboards using SQL and Tableau, enabling executives to make strategic business intelligence decisions.

SKILLS

- **Programming Languages:** Python, Java, HTML, CSS, JavaScript, TypeScript
- **Libraries, Frameworks, Databases:** Node.js, Express, React, PostgreSQL, NoSQL
- **Technologies, Tools, & Other:** Git, CI/CD pipelines, AWS, Lambda, GCP, Kubernetes, Linux, API Integrations, Real-time systems
- **Testing & QA:** Mocha, Jest, Storybook, Cypress

EDUCATION

- **Full Stack Web Development Diploma** | Lighthouse Labs October 2021 - January 2022
- **Bachelor of Science - Specialization in Computer Science** | Western University - London, Canada Class of 2019
- **Bachelor of Management and Organizational Studies** | Western University - London, Canada Class of 2014