

ABDULLAH S. KHAN

FULL STACK | BACKEND | SOFTWARE ENGINEER

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WORK EXPERIENCE

Software Engineer – AI / ML | Outlier AI | Remote

August 2024 – Present

- 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 Engineer Consultant | 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 | Contract Positions | Remote

February 2022 – November 2022

Backend Software Engineer | eWorx (E-commerce platform)

- 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.

Full Stack Software Engineer | PeerSupport.io (Mental Health Platform)

- 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.

Backend Software Engineer | Behaviour (Mental Health / Analytics Platform)

- 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.

Full Stack Engineer Intern | Romh's Educational Services | Remote

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

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|---------------------------------|---|
| • Programming Languages: | Python, Java, JavaScript, TypeScript, SQL, C/C++ |
| • Backend Development: | Node.js, Express.js, Django, FastAPI, REST APIs |
| • Frontend Development: | React, Redux, React Query, HTML5, CSS3, Responsive Design |
| • Databases: | PostgreSQL, MySQL, Sequelize ORM, MongoDB, NoSQL |
| • Cloud & DevOps: | AWS (EC2, Lambda, S3), GCP, Docker, Kubernetes, CI/CD, Linux |
| • Testing & Tools: | Jest, Mocha, Storybook, Cypress, Git, Agile, Scrum, TDD |
| • AI/ML Technologies: | LLM Evaluation, Prompt Engineering, Model Testing, OpenAI API |

EDUCATION

- **Dual Bachelor's – Computer Science & Management and Organizational Studies** | Western University | London, Canada

2019