ABDULLAH S. KHAN - SOFTWARE ENGINEER

abdullahshamskhan@gmail.com | 416-451-9790 | Linkedin: /abdullahskhan | Github: /akhan445 | Website: www.abdullahkhan.io

Software Engineer specializing in full stack and backend development with 2.5+ years of experience at teams from startups to enterprises. Proficient in Python, Java, Node.js/Express, React, and database optimization with hands-on AI/ML experience. Passionate about building intelligent applications that combine traditional software engineering leveraging AI to deliver exceptional user value and business outcomes.

TECHNICAL SKILLS

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

PROFESSIONAL EXPERIENCE

Software Engineer – AI / ML Model Evaluation & Testing | 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 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.
- Developed 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

Full Stack Software Engineer | PeerSupport.io (Mental Health 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, ensuring high-quality code deployment within tight deadlines.

Backend Software Engineer | eWorx (E-Commerce 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.

EARLY CAREER

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.

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.
- Developed real-time integration with data-driven dashboards using SQL and Tableau, enabling executives to make strategic business intelligence decisions.

EDUCATION

Full Stack Development Diploma | Lighthouse Labs   2022

Dual Bachelor's – Computer Science & Management and Organizational Studies | Western University | London, Canada   2019