

# ABDULLAH S. KHAN - SOFTWARE ENGINEER

[abdullahshamskhan@gmail.com](mailto:abdullahshamskhan@gmail.com) | 416-451-9790 | LinkedIn: [/abdullahskhan](#) | Github: [/akhan445](#) | Website: [www.abdullahkhan.io](http://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.js, 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