Abdul Khurram

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EDUCATION & AWARDS

The University of British Columbia — Vancouver, BC, Canada
Bachelor of Science in Computer Science (Expected Graduation: May 2027)

Euclid Mathematics Contest, University of Waterloo — 2021
Top 5% Internationally, Certificate of Distinction

EXPERIENCE

Software Engineer Intern | *TypeScript, AWS, Playwright, OpenAI* — Jan. 2025 – Present
Contello.ai — *Toronto, ON, Canada*

- Enabled multi-brand accounts; migrated legacy data with zero loss and added **Playwright** E2E + integration tests across **Dockerized** service stacks (Node + DB), keeping CI builds reliable.
- Accelerated content prep with an **NLP + LangChain** step that auto-applies locale guardrails per channel for policy compliance.
- Expanded publishing coverage with **React** admin dashboards and an async video pipeline; added engagement analytics and Canva export.
- Hit **99.9%** scheduled-post success by moving generation to **OpenAI Responses API**, tightening auth/session, and wiring scheduler alerts + email across **AWS**.

Software Developer & Team Lead | *Unreal Engine, C++, Python* — Sept. – Dec. 2024
UBC Emerging Media Lab — *Vancouver, BC, Canada*

- Led an AI-powered VR platform in Unreal Engine simulating clinical scenarios for the UBC School of Nursing.
- Increased stability with a supervisory layer that monitors the AI patient and auto corrects off protocol replies.
- Delivered a functional prototype in two weeks, securing project funding.
- Cut backend costs by 90% via system optimizations, improving performance by 40%.

Software Engineer Intern | *Vue.js, JavaScript, Jenkins, Docker* — May – Aug. 2023
Faaz Consulting — *Mclean, VA, USA*

- Improved UI responsiveness by 30% and added new features using Vue.js and JavaScript.
- Automated deployment processes with Jenkins and Docker, reducing deployment times by 20%.
- Enhanced legacy systems and delivered software updates under strict deadlines.

PROJECTS

SoloPilot — Client Ops Studio | *Python, TypeScript/Next.js, AWS, LangChain* — Jun 2025 – Present

- Designing a human in the loop workspace with **LLM** copilots that unifies intake, planning, proposals, coding, QA, and delivery in one workspace.
- Shipped an email intake console and conversational manager that triages threads, captures scope, and renders versioned proposal PDFs with inline annotations and a revision loop.
- Improved intake quality: an evaluator summarizes drafts against a rubric, then a revisor agent produces a higher-scoring alternative for side-by-side review.
- Unified AI and governance: provider agnostic **LLM** layer with centralized logging; repo-aware coding/deploy agent; CI quality gates; AWS backed operations (SQS queues, versioned S3 storage, CloudWatch).

InsightUBC - Dataset Manager | *React.js, Node.js, REST API* — Sept. – Dec. 2024

- Developed a full-stack web application for managing and analyzing academic datasets.
- Built interactive visualizations with Chart.js, delivering dynamic insights from complex data.
- Implemented Mocha and Chai for backend testing, ensuring robust and error-free performance.

Real Estate Management Platform | *Express.js, OracleDB (SQL)* — July – August 2023

- Built a real estate platform integrating inspectors and contractors.
- Designed an OracleDB schema with ISA relationships for efficient queries.
- Built Express.js APIs with async handling and transactional SQL operations for concurrent listings.

TECHNICAL SKILLS

Languages: TypeScript/JavaScript, Java, Python, SQL, C/C++, Go, HTML/CSS
Platforms & Tools: Next.js/**React**, Node.js/Express, **Playwright**, **Redux**; AWS (Lambda, DynamoDB, S3, SQS, CloudWatch); Git, Docker, **Jenkins**, Jest, RDBMS