

Abdul Khurram

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EDUCATION & AWARDS

The University of British Columbia <i>Bachelor of Science in Computer Science (Expected Graduation: May 2027)</i>	Vancouver, BC, Canada
Euclid Mathematics Contest, University of Waterloo <i>Top 5% Internationally, Certificate of Distinction</i>	2021

EXPERIENCE

Software Engineer Intern <i>TypeScript/Node.js, AWS, Playwright, OpenAI</i> <i>Contello.ai</i>	Jan. 2025 – Present
	Vancouver, BC, Canada
<ul style="list-style-type: none">Delivered real-time scheduling dashboards plus async pipelines (TypeScript/Next.js, Node.js) that visualize queue health and keep multi-brand campaigns in sync across thousands of posts/day.Accelerated content prep by ingesting brand playbooks with an NLP pass, caching embeddings, and auto-injecting channel-specific context into compose flows to enforce guardrails.Expanded media coverage with distributed video publishing, resilient queue workers, and engagement analytics, plus Canva export so editors hand off polished assets without leaving the app.Raised scheduler reliability to 99.9% by moving generation to OpenAI Responses API, layering Playwright E2E + integration tests in CI, tightening auth/session, and wiring retry/backoff plus alerting for fast debug loops.	
Software Developer & Team Lead <i>Unreal Engine, C++, Python</i> <i>UBC Emerging Media Lab</i>	Sept. – Dec. 2024
	Vancouver, BC, Canada
<ul style="list-style-type: none">Led an AI-powered VR trainer in Unreal (C++) for the UBC School of Nursing, designing branching UI/state machines that mirror clinician decision trees.Stabilized sessions with a multithreaded supervisory layer (C++/Python) that monitors the AI patient, enforces protocol rules, and auto-corrects errant replies in real time.Delivered a functional prototype in two weeks with clinicians in the loop, securing project funding.	
Software Engineer Intern <i>Vue.js, Java, Jenkins, Docker</i> <i>Faaz Consulting</i>	May – Aug. 2023
	Mclean, VA, USA
<ul style="list-style-type: none">Improved UI responsiveness by 30% and rebuilt navigation-heavy workflows in Vue.js so inspectors reached critical tools in fewer steps.Automated CI/CD with Jenkins and Docker, reducing deployment times by 20% and catching regressions earlier.Refactored legacy Java services, triaged production bugs, and shipped updates under strict client deadlines.	

PROJECTS

SoloPilot — Client Ops Studio <i>Python, TypeScript/Next.js, AWS, LangChain</i>	Jun 2025 – Present
<ul style="list-style-type: none">Building a human-in-the-loop ops studio that unifies intake, planning, proposals, coding, QA, and delivery in one workspace with shared context and versioning.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.Built an evaluator→revisor agent loop with rubric-based benchmarking (score + revision), improving copy quality.Unified AI and governance: Provider-agnostic LLM agent layer with centralized logging; repo-aware coding/deploy agent; CI quality gates; AWS-backed ops (Bedrock, SQS, versioned S3, CloudWatch).	
InsightUBC - Dataset Manager <i>React.js, Node.js, REST API</i>	Sept. – Dec. 2024
<ul style="list-style-type: none">Developed React dashboards with Chart.js that let students navigate live enrollment data in real time.Integrated Node.js REST APIs and caching so visualizations stayed in sync with registrar feeds.Implemented Mocha + Chai backend tests covering edge cases before each release.	
Real Estate Management Platform <i>Express.js, OracleDB (SQL)</i>	July – August 2023
<ul style="list-style-type: none">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++, Swift, HTML/CSS, React Native
Platforms & Tools: Next.js/React Native, Node.js/Express, Playwright; AWS (Amplify, Lambda, DynamoDB, S3, SQS, CloudWatch); OpenAI API; Meta/LinkedIn/X/Canva APIs; Git, Docker, Jenkins, Yarn, Tailwind CSS, RDBMS