ANGELA KWOK

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Software Engineer with 11+ years of experience building and optimizing enterprise-grade solutions. Extensive expertise in full-stack Java/J2EE, complemented by modern web technologies including React and Node.js. Recently expanded into AI/ML engineering using Python, TensorFlow, Keras, and Scikit-learn. Curious and solution-oriented, passionate about building innovative, high-impact technology.

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript
Machine Learning & AI: Supervised/Unsupervised Learning, Deep Learning, Natural Language Processing, Computer Vision, Reinforcement Learning, Time Series Analysis
ML Workflow: Data Preprocessing, Feature Engineering, Model Deployment, Prompt Engineering
AI/ML Libraries & Tools: TensorFlow, Keras, Scikit-learn, PyTorch, Hugging Face, Pandas, NumPy
Web Development & Databases: React, Node.js, Express.js, Spring, Hibernate, MySQL, Oracle, RESTful APIs, OAuth / JWT
Testing & DevOps: Selenium, Robot Framework, Git, Heroku

EXPERIENCE

Majesco (acquired Global IQX in 2022) | Remote
Lead Software Engineer   JUN 2023 - PRESENT
- Lead a cross-functional team of 5 engineers in developing and maintaining two core product components, delivering 100% of milestones on time and to specification.
- Architect scalable web applications using Java frameworks (Spring, Hibernate) and modern front-end technologies.
- Mentor three junior developers through code reviews and pair programming, contributing to a 25% increase in team productivity.
- Establish coding standards and best practices, leading to improved code quality and maintainability.

Senior Software Engineer   OCT 2022 - JUN 2023

- Design and develop a translation tool that reduced localization time by 70%, enabling clients and business analysts to independently translate application content.
- Spearhead the adoption of automated testing practices using Robot Framework and Selenium, improving code quality and reducing QA cycle time from 2 weeks to 3 days.
- Collaborate with PMs, designers, and QA to meet deadlines and deliver quality software.

Software Engineer   JAN 2016 - OCT 2022

- Developed and maintained high-quality web applications using Java frameworks and JavaScript.
- Implemented responsive front-end interfaces using HTML, CSS, and jQuery that improved user engagement.
- Created dynamic client-facing reports using Velocity, SpreadsheetML, and ThymeLeaf.
- Wrote and optimized SQL queries using SQL Server, Oracle, and MySQL for data access within Java applications.

Junior Software Engineer   JAN 2014 - DEC 2015
Intern / Part-Time   MAY 2012 - DEC 2013

NAV Canada | Ottawa, ON, Canada
Surveillance Engineer Intern   JAN 2012 - APR 2012

- Developed software in C/C++, XML, Qt, and Embarcadero on Linux/Windows platforms for air traffic control systems.
- Maintained and optimized QNX/Linux scripts.

EDUCATION

Fullstack Academy AI/ML Certification Program   APR 2025 - OCT 2025 (In progress)
Immersive AI & Machine Learning program which utilized active learning to gain proficiency in data technologies and tools including Python, Keras, and TensorFlow, and understanding of machine learning, deep learning, and data science processes.

BrainStation Software Engineering Diploma Program   FEB 2023 - OCT 2023
Intensive Software Engineering bootcamp focused on full-stack web development, covering modern technologies such as JavaScript, React, Node.js, Express, and MongoDB. Emphasized hands-on, project-based learning in front-end and back-end development, version control, and Agile workflows.

BrainStation UX Design Certification Program   APR 2019 - JUN 2019
Practical UX Design course focused on user-centered design principles, covering user research, wireframing, prototyping, and usability testing. Gained hands-on experience with industry tools such as Figma and applied design thinking to create intuitive, user-focused digital experiences.

Algonquin College Diploma Program   JAN 2013 graduated
Computer Engineering Technology - Computing Science

TECHNICAL PROJECTS

BikeEase Analytics Series | **AI/ML Developer** | JUN - SEP 2025 | https://github.com/angelatyk/bikeease-analytics-series
- Developed a machine learning project for BikeEase, a New York bike rental company, covering data workflows and model development.
- Performed data preprocessing, exploratory analysis, and feature engineering to uncover rental trends.
- Built regression models to forecast bike rentals and a CNN to classify images of bikes vs. cars.
- Created an NLP pipeline for customer review analysis using Logistic Regression, LSTMs, and BERT.
- Applied Python, Pandas, Scikit-learn, TensorFlow/Keras, and Hugging Face Transformers.

My Portfolio | **Full-Stack Developer** | AUG 2025 | angelatyk.github.io
- Designed responsive portfolio website showcasing technical projects and skills with modern UI/UX principles.
- Implemented React and Tailwind CSS with light/dark mode toggle and smooth animations.
- Created modular, reusable components for scalability and maintainability.
- Leveraged the project as an opportunity to quickly learn Tailwind CSS while reinforcing existing React skills.
- Deployed on GitHub Pages with automated CI/CD pipeline for seamless updates.

Reconnect | **Team Member** | JUN 2024, Stack Five Hackathon | reconnector.vercel.app
- Worked in an Agile team of five to deliver a full-stack application aimed at strengthening company culture by providing co-workers with opportunities to find common interests outside of work.
- Developed the front end user interface using React, HTML, and Sass, ensuring a user-friendly design.
- Integrated with Supabase for secure user authentication and data storage.
- Gained hands-on experience with new technologies including Supabase, PostgreSQL, and Vercel, while adapting quickly and learning efficiently under tight time constraints.

Grow | **Full-Stack Developer** | SEP - OCT 2023, Capstone Project
- Developed a full-stack application for gardening enthusiasts using Next.js, Prisma, Node.js, MySQL, TypeScript, HTML, and Sass.
- Implemented features for tracking plant growth, creating customized gardening plans, and sharing tips with a community of gardeners.
- Utilized Prisma as the ORM for efficient database management and querying.
- Implemented user authentication and authorization using NextAuth.js.
- Quickly picked up Next.js, Prisma, and TypeScript, building on existing knowledge of React, Express.js, and JavaScript gained during the full-stack web development bootcamp.