Khai Hung Luong

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EDUCATION

University of British Columbia — Sep 2018 – Apr 2022
Bachelor of Science | Major in Computer Science | **Cumulative GPA: 3.5/4.0**
Awards: Outstanding International Student Award, Deputy Vice-Chancellor Scholarship (3 years)

SKILLS

Programming Languages: Python • JavaScript • SQL/PostgreSQL
Technologies/Frameworks: React.js/Next.js • Typescript • Tailwind CSS • Framer Motion • Node.js • Prisma • Three.js
Tools/Cloud: AWS • Vercel • Google Cloud • Git • Docker • JIRA/Bitbucket • Webpack • Blenders
Language: English • French • Vietnamese

EXPERIENCE

Full-Stack Developer | 3C Dental Clinic (Visit Site) — Dec 2024 – Now
- Increased user traffic by 20% after revamping the website using NextJS and Tailwind for SEO optimization.
- Reduced the database cost by 35% by optimizing database architecture and migrating to Prisma.
- Leveraged server-side rendering (SSR) to reduce page load speeds by 10%, which involved creating reusable RESTful APIs and recommending new structures that improved users' UX/UI experience.

Software Developer | D3Security — May 2023 – Nov 2024
- Utilized Python and SQL to simplify the authorization procedures (OAuth 2.0, etc.) of third-party RESTful APIs to ingest data with SOAR security protocols. Developed robust endpoints using Django to support interactive user queries.
- Refined the system's error-handling functions, which cut production errors by 16% in the next three months.
- Delivered five Proof of Concept (POC) projects valued at approximately $100,000 by collaborating with client-facing teams and rapidly addressing complex requirements such as developing a 20-function integration within one day.

Machine Learning Software Developer Intern | HRS — Aug 2022 – Feb 2023
- Developed NLP model which predicts the hotel service code from multiple fields of an invoice with CNN and AI, achieved with 96% accuracy in production. Also developed an auto-rotated algorithm to correct invoice's rotation.
- Collaborated with data scientists to assess solution for possessing company's invoice and create report with Tableau.

Web Developer | 3C Dental Clinic — May 2022 – Aug 2022
- Engineered an interactive web platform with React while implementing the best SEO strategies, boosting user traffic by 20% within three months of implementation.
- Lowered the clinic's monthly expense by 25% by migrating to AWS and centralizing management operations.

PROJECT

Full-Stack Web Developer | Viet Vibe Foundation (Visit Site) — Oct 2024 – Now
- Led a team of 5 to develop an all-in-one web application enabling users to book lessons/events and stay updated with the latest event news using NextJS, Tailwind CSS and Prisma.
- Established a simplified digital tool that enabled over 50 non-tech members to create, edit, and share multimedia posts.
- Achieved multiple grants and collaborations including Google and Lululemon with a total value of up to $5000.

3D Worlds (Visit Demo) — Mar 2024 – Now
- Utilized Three.js, Framer Motion and Blenders, to create powerful and intuitive 3D modeling and rendering experience, enabling users to immerse themselves in different 3D models with ease.

LEADERSHIP

Viet Vibe Foundation, Chief Technology Officer — Oct 2024 – Now
- Oversaw all technology processes and developed three crucial technology strategies which included managing Business Google Workspace, developing a website and implementing CRM software for project management.

CERTIFICATION

AWS Certified Solutions Architect – Associate — Feb 2023
AWS Certified Cloud Practitioner — Jul 2022