Kha Tran

336-848-1466
khadieptran@gmail.com | https://haknart.github.io/dev_portfolio | https://github.com/HakNart
Matthews, NC 28104

EDUCATION

University of North Carolina at Charlotte, Charlotte, North Carolina
Master of Science, Computer Science, August 2022 – August 2023. GPA: 3.8
    Coursework: *Machine Learning, Algorithm and Data Structures, Database Systems, Parallel Computing, Computer Networks and Communication, Network Based Application Development, Intelligent Systems, Mobile Application Development, Mining Massive Datasets*

Appalachian State University, Boone, North Carolina
Bachelor of Science, Chemistry, May 2017

SKILLS

Programming/Scripting Languages: Java, Python, SQL, JavaScript, C, C++
Skills: Spring, Spring Boot, Express, React, Maven, Git, Github Action, pthreads, OpenMP, MPI, High-performance computing (HPC), MySQL, PostgreSQL, REST API, Networking, Nginx, OOPS, Junit, Unit Test, Angular, CI/CD

EXPERIENCE

Technology Manager - *Lexi Nails, Indian Trail, NC,*   *January 2019 - Current*
- Designed and implemented point-of-sale, payroll, and personnel management systems saving business approximately 3 hours weekly of sale validation and reports.
- Reduced expenses of using third-party software solutions.
- Ensured the shop's computer hardware, software, and database management systems, internet server, and telecommunication services are working properly.

Specimen Tech - *LabCorp, Charlotte, NC,*   *April 2019 - Current*
- Managed patient details on SIS system, ensuring accurate registration and accessioning.
- Processed and routed specimens to staging areas, maintaining proper protocols.
- Packed and shipped specimens to designated lab sites, ensuring efficient delivery.

PROJECTS

Sale and Personnel Management Software
- Developed a full stack inhouse web app managing sale records, personnel payroll, and more.
- Implemented SPA frontend with Angular, backend APIs with Spring framework, and database with PostgreSQL.

Kitchen Equipment Online Store
- Developed a full-stack web app showcasing an online store with user authentication, browsing, searching, cart management, and order processing.
- Integrated SPA frontend with React, backend APIs with Spring Boot, and database with PostgreSQL.
- Deployed application on the cloud with VPS and Nginx.
- Implemented automated deployment with GitHub action and CI/CD pipeline.

Item Trading Website
- Developed a dynamic item trading web application utilizing MEN (MongoDB, Express, Nodejs) stack.
- Employed MVC architectural pattern to ensure efficient data flow and maintainable codebase.
- Implemented a secure user authentication system, and rigorously enforced server-side input validation and data sanitization.

Credit Scoring with Machine Learning
- Constructed a machine learning model to assess credit risk, achieving 86% confidence using a neural network model.
- Utilized Python's scikit-learn library for data processing, feature extraction, and model testing.