

Steven Nguyen

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Android Developer

Seasoned software engineer with hands-on experience in constructing highly scalable and secure mobile applications for nearly 2 years, specializing in the Android platform. Accompanied by previous practical experience in Mechatronics as a Research and Development engineer, gaining proficiency across various phases of the Software Development Lifecycle, including requirement analysis, design, coding, testing, and deployment of diverse applications while utilizing Agile methodologies. Skilled in native Android application development using Java and Kotlin.

Object Oriented Programming • MVVM Structure • SOLID Principles • Jetpack Library
Coroutines • Design Pattern • Dependency Injection

Languages: Java, Kotlin, JavaScript

Web: HTML5, CSS3, React.js, NodeJS

Web Services: REST

Frameworks: Spring Boot, Android SDK, Android NDK

Databases: SQLite, MongoDB

Design Patterns: MVC, Singleton, MVVM

SDLC: Agile

Tools: Android Studio, Visual Studio, MongoDB Atlas, Mongo DB Compass, Gradle, Maven

Application/Software: Signage Setup Assistant

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

SAMSUNG ELECTRONICS HCMC CE COMPLEX, Ho Chi Minh, Vietnam • 01/2016 – 08/2023

Samsung Electronics HCMC CE Complex (SEHC) is R&D Center (SHRC) at Ho Chi Minh city that developed local software for Headquarter in Korea.

Android Developer (01/2022 – 08/2023)

Built applications allowing users to connect and control Samsung Signage Product via mobile phone.

- Crafted Android mobile application using Kotlin, Java to control multiple display devices simultaneously from a mobile phone to reduce installation time from 10 hours to 4 hours.
- Developed Auto Layout feature using OpenCV to rearrange the order of each screen after connection, enabling dynamic screen settings rather than being manual.
- Implemented the user interface using Jetpack Compose for building native Android UI to reduced lines of code, resulting in an ease to maintain code and enhancing the application performance.
- Created a local android application using UI Automator to test UI for main android application (Signage Setup Assistant), leading to significant decrease in number of reported bugs.
- Programed a secured Android application using ProGuard to make sure that code was secure and cannot decode important keys before deployment resulting in better application security.
- Designed UI for local intranet web application using Figma to manage devices of department for more efficient data entry.

Technologies Used: Kotlin, Java, UI Automator, Jetpack Library, Coroutines Library

Software Engineer (01/2019 – 01/2022)

Tested, Managed, and set up environment for Tizen applications.

- Developed web application using ReactJS, JavaScript, MongoDB to display specification of Television product, aiding operators and QC team in easy specification checks of each product.
- Created local Tizen application using JavaScript, Tizen Studio to test new Tizen platform resulting in reducing bugs in production environment.
- Implemented UI test using Appium to test UI for Tizen Apps, which helped in reducing the time for manual test.

Technologies Used: HTML, CSS, JavaScript, React.js, Node.js, MongoDB, Tizen Studio

R&D Engineer (02/2016 – 01/2019)

Built tools and maintained company's product to operate more smoothly and efficiently.

- Created Jig tool using NX Design software to check quality of stand product before packing.
- Developed Automatic Robot using C++ to support production team for assemble process.
- Implemented Working Instructions document for production team to make sure that product will be assembled according to the required specifications.

Technologies Used: C/C++, NX Design software, AutoCAD

FUJIKURA ELECTRONICS VIET NAM LTD, Bien Hoa City, Vietnam • 08/2014 – 02/2016

Fujikura Electronics Viet Nam Ltd (FEVL) is an exporter company in Vietnam. The major product is flexible printed circuits.

Product Engineer

Built tools and maintained company's products.

- Built Jig tool using AutoCAD software to check quality of product before transferring to production.
- Daily meeting with product QC, Production team to make use that product will be produced smoothly in Mass Production.
- Developed and maintained Automatic Robot using C++ to support production team for assemble process.

Technologies Used: C/C++, AutoCAD

ACADEMIC PROJECTS

Maharishi International University (2023) Library Management Application:

The application is a desktop application, based on Java Swing. My responsibilities were to design and implement UI for this application. Used Spring Framework, Java Swing, StartUML, Windows, and macOS

Maharishi International University (2023) AeroTran:

AeroTran is a web application that offers a seamless flight booking experience. My responsibilities were to design and implement Booking features (confirmation, History, Cancel and Modify). Used NodeJS, RESTful APIs as Backend, used HTML5, CSS, Bootstrap as Frontend, MongoDB as Database

Maharishi International University (2023) WebStoreApplication:

WebStoreApplication is a web application that users can add, delete, and modify for display product details. My responsibilities were to design and implement for frontend part. Used Spring Boot as Backend, ReactJS as Frontend and Selenium for testing

University of Information Technology (VNUHCM-UIT) (2022) Fall Detection Application:

Fall Detection Application Development Based on Pose Detection Algorithm is a web application used for analysis the accuracy of two pose estimation models. My responsibilities were to design and implement web applications to capture video then display the result of detection algorithms. Used HTML, CSS, and JavaScript as frontend, used OpenPose & MoveNet for analysis.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 04/2026)

Maharishi International University, Fairfield, Iowa

Key Courses: Web Programming, Web Application Architecture, Algorithms, Big Data Technology

Bachelor in Information Technology

University of Information Technology (VNUHCM-UIT), Ho Chi Minh City, Vietnam