

Rudine Hartanto

Fullstack .Net React / Angular Web Developer

Detail oriented software engineer with passion in solving real world complex problems. Over 5 years work experience in a multitude of software engineering roles. Proficient with current accepted methodologies such as Agile, DevOps, TDD, MVX architecture, Dependency Injection, and not afraid to experiment with next gen tech stack.

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WORK EXPERIENCE

Fullstack .Net React Web Developer Vitalograph

01/2020 - 09/2022

Ennis, Ireland

Vitalograph is a global leader in respiratory diagnostics. Medical Equipment Manufacturer.

Achievements/Tasks

- Worked with Agile team in developing / supporting API for new features using mainly Microsoft tech stack, ASP.NET Core, MYSQL. Wrote unit tests and API tests to ensure quality code coverage throughout.
- Ability to work in and assist in refactoring legacy implementation into modularized architecture (microservices) to improve scale-ability and read-ability. Moved Razor Pages to React.
- Improve efficiency in QA testing by creating / converting manual tests into Selenium driven automated tests.

Unity C# Game Programmer Killer Lobster

01/2015 - 04/2016

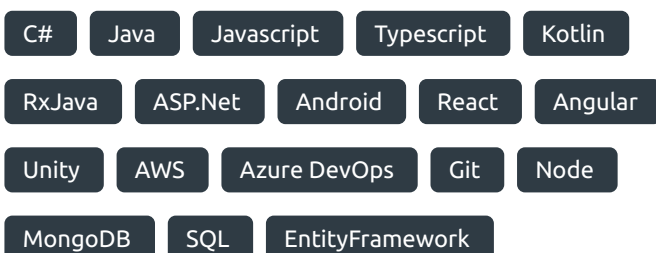
Singapore

Mobile game startup company.

Achievements/Tasks

- Provided a Tool for Game Designers to auto generate game content programmatically. Allowing faster iteration.
- Addressed framerate bottlenecks faced in weaker devices by optimizing the usage of Physics and its Collision Matrix.
- App Store deployment along with integrating payment and analytics for each platform.
- Experience with visual scripting tool used for creating AI behaviour and also state machine for complex logic.

SKILLS



PROJECTS

MSc Dissertation: Epilepsy Seizure Classification with Machine Learning (09/2018 - 09/2019)

- The thesis aims to design a machine learning model that can classify raw EEG signal which has been distorted by noise into seizure or non-seizure.
- The project, written in Python, and using the Bonn University EEG dataset, show that the classifier model with the proposed solution, that uses wavelet transform to extract important signal features in its distinct frequency domain report a better accuracy under variable noise environment.

Android Projects (2016 - 2018)

- Independently delivered a low cost, fully functional Android applications that meet the client expectations with no rework. Achieved by clear constant communication with client to translate their needs into technical specifications.
- Written in Java, Kotlin and using best practices in Android Development. Also leveraging MVX, DI, RxJava for writing cleaner, testable code.

EDUCATION

MSc in Computing (Enterprise Software Systems) 1.1

Waterford Institute of Technology

09/2018 - 09/2019

Waterford, Ireland

Courses

- Cloud Computing
- Data Mining
- Java, Javascript, Kotlin, Python
- Android, React, Node

Bachelor in Computer Science in Real Time Interactive Simulation

DigiPen Institute of Technology

09/2011 - 12/2014

Singapore

Courses

- OpenGL, DirectX
- C, C++
- Math 200-400
- Data Structures, Algorithms