

# Youngjin Kang

**Portfolio:** <https://thingspool.net/portfolio.html> **Github:** <https://github.com/architsch>

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**Email:** architsch@gmail.com

**Current Location:** South Korea (near Busan)

## Objective

To work as a software developer (Remote work preferred. Open to both full-time and part-time opportunities.)

## Skills

**Game Development** - Unity, Three.js, Pixi.js

**Graphics** - WebGL, OpenGL, GLSL

**Web** - HTML/CSS, React, Node.js, Express.js, MongoDB, SQL

**Programming** - C#, Java, JavaScript, TypeScript, MATLAB, C, C++, Ruby, Solidity

**Source Control** - Git, Perforce, Plastic SCM

**Hardware** - Verilog, FPGA, LCDK, Digital Electronics

## Work

**Software Developer (ThingsPool) 2020.9 - Present**

- Have been developing experimental web applications and tools.

**Senior Unity Engineer (Branch Technologies, Inc) 2024.1 - 2024.5**

- Worked on a real-time MMO game as a generalist Unity engineer.

**Tools and Graphics Developer (Galactic Entertainment) 2022.5 - 2023.7**

- Developed a custom HTML5 game engine with Three.js, WebGL, and GLSL.

**Software Engineer (Valkyrie Entertainment, LLC) 2019.3 - 2022.1**

- Developed a Unity multiplayer game with .NET/MySQL.

**Software Engineer (Signal Studios, LLC) 2017.7 - 2019.3**

- Developed several Unity and HTML5 games with Node.js/MongoDB.

## Education

**University of Washington (Seattle, WA, United States) 2011.9 - 2013.6, 2015.9 - 2017.6**

- B.S. in Electrical Engineering (Specialized in Digital Signal Processing)

## Military Service

**Social Service Personnel (Daejeon Museum of Art) 2013.8 - 2015.8**

- Managed art exhibitions (Customer service, artwork installation, room security).

## Projects

**Castaways (Branch Technologies, Inc)** - A cross-platform MMO game with voxel-based sandbox mechanics.

**PlanetQuest (Galactic Entertainment)** - A Web3 game with real-time networking and procedural generation.

**GunsUp! Mobile (Valkyrie Entertainment, LLC)** - An asynchronous PvP/PvE multiplayer game (Android, iOS).

**Call of Guardians (Signal Studios, LLC)** - A synchronous PvP multiplayer battle game (Android, iOS).