

# WONHEE LEE

portfolio: [whd793.github.io](https://whd793.github.io) | github: [github.com/whd793](https://github.com/whd793) | email: whd793@gmail.com | blog: [wonblog.vercel.com](https://wonblog.vercel.com)

## EDUCATION

### PURDUE UNIVERSITY

Bachelor of Science in Web Programming and Design

West Lafayette, IN

Graduated: December 2019

## SKILLS

**TECHNICAL SKILLS:** JavaScript (ES6+), TypeScript, React.js, Next.js, HTML5, CSS3, Tailwind CSS, Styled-Components, Redux, Context API, Node.js, Express.js, MongoDB, PostgreSQL, Firebase, AWS, Git, Responsive Design, Performance Optimization

**OTHER EDUCATION:** Zero To Mastery Academy, Linkedin Learning Certificates

**LANGUAGES:** English, Korean, Japanese

## PROJECTS

### AI INTERVIEW PLATFORM | [Demo](#) | [GitHub](#)

- Built interview practice platform using Next.js and AI for personalized feedback using Next.js, and AI
- Implemented real-time speech recognition with Web Speech API and multilingual support
- Created interactive data visualization dashboard with Recharts for interview performance metrics
- **Technologies:** Next.js, React, Tailwind CSS, Clerk, Google Gemini AI, PostgreSQL

### PODCAST STREAMING PLATFORM | [Demo](#) | [GitHub](#)

- Developed streaming service with custom audio player and advanced playback controls
- Optimized performance through code splitting and lazy loading, reducing load time by 40%
- Implemented Redux Toolkit for state management and AWS S3 for media storage
- Created multilingual support system using i18next for Korean and English interfaces
- **Technologies:** React, Redux Toolkit, Styled-Components, Node.js, Express.js, MongoDB, AWS S3

### NEXT.JS STUDY BLOG WITH NODE.JS AND MONGODB | [Demo](#)

- Built full-stack blog platform with server-side rendering for optimal SEO and performance
- Designed content management system with rich text editor and image upload functionality
- Designed custom API routes with Node.js and MongoDB for content management and retrieval
- **Technologies:** Next.js, MongoDB, Node.js, Tailwind CSS

## EXPERIENCE

### FULLSTACK DEVELOPER & PROJECT MANAGER | [Demo](#) | [GitHub](#)

Twiqli Startup | Seoul, South Korea | Jul 2024 - Dec 2024

- Led development of subscription-based marketing platform for offline restaurants, implementing QR code-based subscription system and CRM tools with React, Node.js, AWS, and Twilio API
- Integrated Stripe API to implement subscription management system with multiple pricing tiers, automatic billing, and credit management, and implemented automatic rollback mechanisms for payment failures using Mongo Transaction
- Optimized React components using memo, useCallback, and useMemo, enhancing UI performance
- Engineered high-performance backend infrastructure using MongoDB indexing and Redis caching, achieving sub-300ms API response times and high system availability and handling high concurrent users

### GAME DEVELOPER | [Portfolio](#) | [GitHub](#)

pockapp games | Seoul, South Korea | Aug 2023 - Mar 2024

- Developed user interfaces and gameplay mechanics for 32 mobile casual games using Unity, C#, and JavaScript
- Implemented data-driven optimizations through A/B testing, achieving 48% Day 1 retention rate
- Applied modular code architecture with C# and JavaScript, improving development efficiency

### GAME DEVELOPER

Voodoo.io | Seoul, South Korea | Jul 2022 - Jul 2023

- Built interactive mobile game interfaces and gameplay mechanics using Unity and C#
- Utilized performance profiling tools to optimize game performance across various devices
- Collaborated in agile environment with 2-week sprints, ensuring on-time delivery of features