

# HYUNGYU CHUNG (HENRY)

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## SUMMARY

Software Engineer specializing in TypeScript/Next.js for full-stack web applications. Experience building SaaS products with role-based access control and API optimization. AWS certified.

## SKILLS

**Programming Languages:** TypeScript, JavaScript, Python, C++, C#

**Frontend:** React, Next.js, TanStack Query, Tailwind CSS, Shadcn UI, Three.js

**Backend & Databases:** Node.js, Supabase, PostgreSQL, MySQL, MongoDB, Drizzle ORM

**Cloud & DevOps:** AWS, Oracle Cloud, Docker, Git

**Tools & Other:** Figma, Unity, Unreal Engine

## TECHNICAL PROJECTS

### CRM Web Application

Ongoing

#### Personal Project

- Built multi-organization CRM platform for customer management, activity tracking, and sales pipeline analytics
- Reduced API calls using TanStack Query for client-side caching and request deduplication
- Designed role-based access control system supporting multiple organizations with isolated data architecture

### Word Editor Web Application

January 2026 (Active)

#### Personal Project

- Developed PDF-exportable word editor with bracket-based keyword extraction and automated paragraph detection
- Built PDF conversion pipeline with Gotenberg (Docker) on Oracle Cloud VM with Supabase/Drizzle ORM backend
- Implemented credit-based export system with daily free tier limits tracked by user account or hashed IP for anonymous users

### Texas Hold'em Poker

December 2025

#### School Team Project

- Managed 4-person team using Agile, established coding standards and Git workflow to reduce merge conflicts
- Implemented core game systems in Unity/C#, including turn validation, betting logic, and deck management with extensive refactoring for maintainability
- Designed interactive UI with animation system and audio feedback improving user engagement

## WORK EXPERIENCE

### Prompt Engineer (Contract)

January 2025 – May 2025

#### Outlier AI

- Designed and evaluated prompts for code generation, testing, refactoring, and solution reasoning tasks
- Assessed LLM outputs for instruction-following, truthfulness, localization, writing style, and verbosity as part of a RLHF pipeline
- Conducted peer reviews to ensure quality standards and guideline consistency across team deliverables

## EDUCATION

### Computing Science Diploma

December 2025

Douglas College – New Westminster, BC

## CERTIFICATIONS

- **AWS Certified AI Practitioner** (Issued July 2025, Expires July 2028)
- **AWS Certified Cloud Practitioner** (Issued June 2025, Expires June 2028)