

Chloe Kwon

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TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Kotlin, Java, C, HTML, CSS
Frameworks & Libraries: Next.js, React.js, Express.js, Node.js, Django, Flutter, Tailwind CSS, JavaFX
Databases & Storage: PostgreSQL, MySQL, MongoDB, Firebase, Supabase
Cloud & DevOps: AWS EC2, AWS S3, AWS Rekognition, Docker, docker-compose, Cloudinary
Tools & Platforms: Git, GitHub, Agile Development, Jira, Trello

EDUCATION

British Columbia Institute of Technology <i>Diploma in Computer Systems Technology, BCIT</i>	Vancouver, BC Jan 2024 – Present
Hanyang University <i>Diploma in Music Composition</i>	Seoul, Korea Jan 2014 – May 2016

PROJECTS

Brats and Bavaria <i>Next.js, TypeScript, Supabase, Cloudinary, Stripe, Vercel</i>	May 2025 – June 2025
<ul style="list-style-type: none">Replaced inefficient workflow of Google Forms + manual email approvals + e-transfer payments with single streamlined platformProcessed 200+ photo submissions with zero downtime during peak submission periodsIntegrated Stripe Checkout with webhooks for real-time payment tracking, eliminating manual payment reconciliationConfigured Cloudinary for optimized image uploads and Supabase for authentication and database managementBuilt admin approval workflows, access control, and comprehensive error handling	
TadPool <i>Flutter, Django, AWS S3, Rekognition, Docker, EC2</i>	Apr 2025 – May 2025
<ul style="list-style-type: none">Inherited 2-year-old codebase and updated dependencies, refactored architecture for better maintainabilityBuilt end-to-end profile image upload system using AWS S3 with IAM roles and Flutter-Django integrationDeveloped facial verification system with AWS Rekognition (80%+ similarity threshold) to combat fake profilesFixed authentication bugs by customizing Django EmailBackend and synchronizing state management in FlutterDeployed backend on EC2 using Docker Compose, troubleshooting access issues and ensuring stable uptimeWorked with 5-person team using Jira for sprint planning and feature implementation based on client feedback	
Dark Night Maze <i>Java, JavaFX, Maven, JUnit 5</i>	Oct 2024 – Oct 2024
<ul style="list-style-type: none">Created game entities with autonomous behavior patterns including player detection and pursuit algorithmsImplemented dynamic maze generation algorithm creating unique layouts for each playthroughBuilt complex game state management system with save/load functionality and collision detectionDesigned flashlight mechanics and visibility systems using custom lighting algorithms	
Pennywise <i>Express.js, Node.js, JavaScript, MongoDB, Tailwind CSS, AWS</i>	Apr 2024 – May 2024
<ul style="list-style-type: none">Created full-stack finance tracker with categorized spending analytics and real-time filtersDesigned an interactive dashboard to visualize categorized spending insightsBuilt responsive dashboard using Tailwind CSS, fully functional across mobile and desktopDeployed on AWS with secure performance; collaborated via GitHub pull requests and modular code	

EXPERIENCE

Server <i>Hawthornth</i>	Jan 2022 – Dec 2023 Vancouver, BC
<ul style="list-style-type: none">Developed strong teamwork, multitasking, and problem-solving skills in a high-pressure environmentStrengthened communication abilities while managing multiple priorities and customer expectations	
Piano Instructor <i>With Me Academy</i>	Jan 2016 – Mar 2020 Seoul, Korea
<ul style="list-style-type: none">Built teaching and mentoring skills by designing personalized lesson plans for diverse student needsDeveloped patience and clear communication strategies for explaining complex concepts to different learning styles	