

# Brandon Kim

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## Software Developer

### *Dynamic Technical Leader with 4 Years of Expertise in Full Stack Development, Operations, & Architecture*

Experienced software developer offering expertise in full software development lifecycle, web application architecture, and project management. Proven track-record of designing and executing strategic development initiatives aligned to organizational objectives with a focus on end user satisfaction and engagement. Deep technical expertise combined with an understanding of the importance of client engagement and satisfaction. Collaborative team leader continually focused on building relationships to produce highly effective teams, increasing productivity, and improving outcomes. Individual dedicated to self-reflection and personal improvement who consistently exceeds performance metrics.

View my personal website at [www.swkoyo.com](http://www.swkoyo.com)

## CORE COMPETENCIES

- |                                   |                              |                               |
|-----------------------------------|------------------------------|-------------------------------|
| ◆ Full Stack Software Development | ◆ Project Management         | ◆ API Authentication          |
| ◆ Database Architecture           | ◆ Server Backend Development | ◆ Cross-functional Leadership |
| ◆ KPI Tracking & Performance      | ◆ Business Development       | ◆ Efficiency Improvements     |

## PROFESSIONAL EXPERIENCE

### *Thumb Technologies*

*2023 - Present*

#### **Backend Developer**

- ▶ Integrated platform with Microsoft Active Directory to allow clients to automatically provision users through the SCIM protocol.
- ▶ Established standards for existing code base utilizing linting and formatting tools which led to cleaner and more maintainable code.
- ▶ Implemented bi-weekly sprint meetings for improved communication and collaboration with other teams.
- ▶ Developed improvements for core application that resulted in more efficient usage of resources and better error handling.

### *The Villa Life*

*2021 - 2023*

#### **Full Stack Developer**

- ▶ Oversaw an international team of developers across three countries to develop the initial MVP used to raise over \$1MM in investment funding while ensuring 100% of team KPI's were met.
- ▶ Implemented NestJS and Typescript as replacements for NodeJS and Express to improve code efficiency by 30%, reduce error rate by 30%, and implement a new architecture that improved efficiency and maintenance.
- ▶ Created an affiliation program allowing strategic partnerships with travel agents and influencers, contracting with approximately 30 external stakeholders to allow access to the platform, increasing revenue 20%.
- ▶ Developed database resource optimizations through implementation of redis cache for frequently accessed DBs as well as implementing a new pricing structure, reducing database resource usage by 80%.

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- ▶ Managed a move from utilizing Sequelize ORM to Prisma ORM to utilize the latter's improved Typescript support, this project improved coding efficiency by 20% and was completed on time and under budget.
- ▶ Acted as a consultant with the CTO to implement a new pricing structure using the same DB structure to support both the old and new structures, saving 240 hours that were able to be dedicated to other projects.

***bitHolla***

***2019 - 2021***

## **Backend Developer**

- ▶ Led the development of a trading algorithm bot to provide liquidity to the exchange, increasing customer volume by more than double, increased transaction fee revenue by 100%, and reduced liquidity maintenance hours by 90%.
- ▶ Created the architecture for open-source plugin development, increasing developer engagement on Discord and Github by 60%, the new architecture allowed the development of three plugins within the first two months.
- ▶ Integrated a third party KYC service to significantly improve user authentication services, this automation of the authentication flow decreased error rate by 30% and improved efficiency by 90%.

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## TECHNICAL SKILLS

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***Programming Language:*** JavaScript, TypeScript, Python

***Database:*** PostgreSQL, Redis, MongoDB

***Framework:*** Node.js, Nest.js, Next.js, React, Django, FastAPI

***Other:*** Stripe, Git, Docker, AWS

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## EDUCATION & LANGUAGES

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**Bachelor of Science – Computer Science – Oregon State University (in progress)**

**Bachelor of Science – Business Administration and Finance – University of California, Riverside**

**Web Developer Track – Bloc.io**

*English (Fluent), Korean (Conversational)*

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## ADDITIONAL PROJECTS

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### ***Agora***

- ▶ RESTful Reddit-clone where users can post topics, post comments, vote on both, and favorite topics and comments.

### ***Collablist***

- ▶ Collablist is a real-time collaborative web-application where multiple users can create, read, update, and delete items on a list.

### ***Chatty***

- ▶ SPA chat-room that uses React router and allows users to chat as a guest or a signed-in user inside chat rooms.