

# KY NGUYEN - Backend developer

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## EXPERIENCE

### Worx360 - Team Lead

- Designed API and database from scratch **Nest.js, PostgreSQL, Prisma, AWS, and Heroku.**
- Developed an integrated system featuring pre-filled document support for efficient application processing, candidate background verification through **Checkr**, internal communication facilitated by **socket.io**, streamlined offer management, workload monitoring, and a secure payment system powered by **Stripe**.

### Infinidus - Team Lead

- Mentored and supported **2 iOS developers** in building complicated features. Managed and assigned tasks to members' abilities.
- Developed and deployed server API with **Nest.js, PostgreSQL, Prisma, and Heroku.**
- Implemented comprehensive multimedia messaging functionality, incorporating a wide range of social network reactions and interactive actions for user engagement.

### Alongside - Software Engineer

- Managed and brought users onboarding and on-ramping with **Magic and Wyre, Plaid.**
- Investigated the issue and reduced **13 seconds** in the login process by async and background check.
- Organized source code in a mono repo with **React Native, React.js, Next.js, TypeScript, Styled Component, and TailwindCSS.**

### Ogenii - Team Lead

- Founded and established the team from scratch. Analyzed and built from scratch with **Swift, Node.js, MySQL, EC2, and Firebase.**

## PROJECTS

### TokyoCatch - Senior Mobile Engineer

- Built a stable video streaming game using **socket.io, GraphQL, and JSMpeg** that gains **10.000 play times a day**, earning **\$250.000 every month.**
- Reduced the failure rate to **22%** by analyzing the statistics and evaluating the efficiency of GraphQL subscription, and improving the product by changing to socket.io.
- Achieved **crash-free** statistics of **99% on iOS** and **98.73% on Android** by tracking crashes with **Sentry, Firebase Crashlytics.**

### Coinhako - Mobile Team Lead

- Expanded the business from **3 to 31 currencies** and **2 to 4 countries** effortlessly by designing a flexible architecture.
- Saved **\$500 a month** by changing from Pusher socket to **Firebase Realtime Database.**
- Reorganized and saved **40% development time** by resolving the dependencies between the mobile and backend teams.

### Moca - iOS Engineer

- Reduced **17 seconds** for every transaction by changing the payment flow.
- Increased app performance to **38%** by refactoring the project to Swift.
- It's serving **millions of users** every day in Grab, a unicorn in Asia.

### Outfitted.io - Senior iOS Engineer

- Optimized the memory up to **60%** using **image compression** and **memory caching.**

## SKILLS

- Languages: Swift, Javascript
- Management: Mentoring, documentation, project planning, task management
- Frameworks and Libraries: Expo, React Native, Nest.js, Next.js, TypeScript, Prisma, PostgreSQL, SQLite, AVFoundation, Location, Google SDKs, Facebook SDK, Twilio, Firebase, Geofencing, Stripe