

# Tuan Nguyen

I am a web developer who is focusing on backend development. Always hungry to keep learning.

## Personal information

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## Highlight

- 5+ experience at position Fullstack developer
- Databases: Elasticsearch, MongoDB, Redis
- Backend - NodeJS
- Frontend- ReactJS
- Kubernetes and Docker
- Test-driven development

## Experiences

### [Articulo Voice Bot](#)

**Position:** Fullstack Developer

**Responsibility:** I have developed a core of our startup - a voice bot - for a year.

For infrastructure, I configured our on-premise Kubernetes clusters uses GitOps workflow that is integrated with FluxCD and Github Actions. So, I could focus on develop our services without worry about deployment because only successful release could be delivered.

For coding, I used Websocket to transfer a text-base voice between PSTN's communication provider and our services. Because the conversation between bot and customer is real-time conversation, I had to optimize many things to cut down the latency between PSTN's communication provider, NLP backend and our services.

**Tools:** Websocket, Google Cloud Platform, Kubernetes, FluxCD, Github Actions

### [BotBot AI](#)

**Position:** DevOps Developer

**Responsibility:** I have maintained a Kubernetes cluster hosted on Microsoft Azure for 6 months. In that cluster, I built a workflow that uses GitOps with FluxCD and Github Actions to automate our releases.

Furthermore, I helped the Team Leader fix security problems of that cluster by reviewed and configured RBAC to restrict access to our Kubernetes Dashboard.

**Tools:** Kubernetes, FluxCD, Github Actions

## **[Boomerang.Isentia](#)**

**Position:** Fullstack Developer

**Responsibility:** I designed and developed a crawler that crawled three millions unique records from the internet channels such as Facebook, Instagram, Youtube, Forums, News and so forth. Especially, on a high traffic day, our platform handle more than twelve millions unique records. I also lead a team of 3 junior developers and guided them how to become better developers with Design Patterns, SOLID principles and Test Driven Development.

**Tools:** Elasticsearch, MongoDB, Redis, Docker, Gitlab CI

## **Other projects**

- **[Personal Blog](#):** I researched and practiced how to use AWS (Route53, S3, Cloudfront, Certificate Manager) with [Serverless](#) to deploy my blog. I also used Gitlab CI as my continuous integration to automate the deployment process.
- **[Mattresses by Serta](#)** at [Tagrem Corp](#): I maintained a ecommerce platform that was based on Yii framwork (PHP).