PHONG HAI DO

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SKILLS

- **Programming Languages**: TypeScript, Golang, Python, Java, CSS
- **Others**: Kubernetes, Docker, Helm, Nginx, Azure DevOps, PostgreSQL, AWS, Jenkins
- **Frameworks**: FastAPI, Flask, Vue, Nuxt, Echo
- **Languages**: English (B2), Vietnamese (native)

PROFESSIONAL EXPIERENCE

NOKIA | Python, Go, TypeScript, Azure, JFrog, NGINX, RHEL, K8s, PostgreSQL, Java　　　　Feb 2022 – Jul 2024
Full-stack Developer

Command line interface application for downloading artifacts from cloud storage

- Built a reverse proxy by using NGINX to intercept clients' requests and forwarding them to appropriate microservice; handling over 20,000+ requests daily (increase about 30%)
- Reduced request processing time by 50% by applying caching in NGINX to bypass authorization checking
- Reduced the load on reverse proxy server by breaking it into multiple microservices that handle downloads and authentication separately

Web application for downloading artifacts from cloud storage

- Designed and developed a web application with OAuth SSO authentication using Microsoft Entra ID
- Implemented lazy-loaded tree view to optimize file listing for huge directories
- Developed feature that supports multiple file downloads and large file streaming (up to 500 GB)

File compression application

- Built a microservice that utilize Goroutines to download multiple files concurrently
- Implemented ZIP compression and streaming response to handle large file downloads efficiently

Automation test framework for microservices

- Developed automation test scripts for multiple microservices, that reduced the manual testing effort

DevOps

- Managed Kubernetes (K8s) clusters' services to ensure scalable and secure applications
- Integrated Azure DevOps CI/CD pipelines to automatically create – publish new application build and deploy it to K8s clusters, improving efficiency and reducing "human" error
- Troubleshooted system errors by checking the logs across multiple microservices by using Kibana

DIGATUS | Python, Javascript, NGINX, Linux (Debian), PostgreSQL, XML　　　　Aug 2024 - now
Full-stack Developer

Custom module for synchronizing data between external services and Odoo

- Served as the main developer to set the coding standards, best practices for the team
- Customized invoicing module to synchronize invoices from Autotask; processing ∼ 200 invoices with ~800 products and ~50 customers in less than 10 seconds (~4 minutes if creating everything new)
- Developed and optimized methods for handling simultaneous requests to and from external systems like Autotask and Datev

Operation engineering

- Configure NGINX as a reverse proxy for each Odoo instances
- Created Bitbucket CI/CD pipeline to deploy application to virtual machines

EDUCATION

Warsaw University of Technology, Master of Science (M.Sc) | Warsaw | Oct 2019 – Jun 2021
Concentrations: Computer System and Network, Nature Language Processing, Image Recognition | GPA: 4.31/5.00

INTERESTS

Astrophysics, Science, Playing music instruments, Reading, Boxing, Football, Motorsport