

Bùi Thành Nhân

I'm a senior software engineer specialized in **web development** with a strong focus on the backend and **DevOps**.

I have 10 years of experience working in a variety of environments: outsource and product startups, remote and onsite, with international teams across multiple timezones.

I also develop various types of open source software as a hobby, not only to solve immediate problems and satisfy my intellectual curiosity, but also to evaluate interesting emerging technologies.

Year of birth: 1993
Gender: Male
Location: HCMC, Vietnam
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- **Professional experience:** Git, Python, JavaScript, TypeScript, HTML, CSS, PostgreSQL, Django, Django REST Framework, Docker, Docker Compose, React, AWS, GCP, Microsoft Azure, Ansible, Kafka, Redis, REST APIs, GitHub, GitLab, GitLab CI, Datadog, Sentry, AWS Lambda.
- **Casual experience** (through hobby projects): Zig, Tcl/Tk, Tkinter, Go, SQLite, Flask, GitHub Actions, SourceHut, Nginx, Caddy, systemd, SDL3, Makefiles, pyinfra, Tailscale, cross-platform desktop GUI programming, socket programming, static site generators, shell scripting, amateur woodworking.

EXPERIENCE

MODEC

Senior Software Engineer - Backend & Infrastructure (10/2023 – Current)

- Workflow automation system (2025–current):
 - Led development of a greenfield web-based project to automate day-to-day tasks of FPSO design engineers.
 - Worked closely with PO/Engineer to come up with suitable UX design.
 - Defined software architecture from scratch.
- HR management system (2023–2025):
 - Developed backend for an internal web-based human resources management system for FPSO vessel construction projects.
 - Maintained infrastructure-as-code repo that utilized terraform to manage Azure cloud resources.
 - Wrote internal developer tooling to aid in selective feature rollouts.
 - Collaborated with Product Owners to develop features, which involved architectural decisions and effort estimation.
- Technologies: **Python, TypeScript, React, Django REST Framework, Postgres, Docker, Microsoft Azure Cloud.**

Inspectorio

Senior Software Engineer - Backend (02/2021 – 01/2023)

- Developed backend for a B2B SaaS product that streamlines the physical goods inspection workflow.
- Introduced in-memory caching layer for authentication service responses that improved average end-to-end API response time by ~30%.
- Performed rigorous code review.
- Performed feature estimation for cycle and sprint planning.
- Mentored more junior engineers via code review, pair programming and coaching on topics like Git workflows.
- Wrote internal getting-started guide for onboarding Backend Engineers.
- Technologies: **Python, Django REST Framework, Postgres, Docker, Google Cloud Platform.**

Parcel Perform

Senior Software Engineer - Backend (02/2018 – 03/2020)

- Worked on backend for:
 - parcelperform.com & parcelmonitor.com: a set of microservices that make up a suite of parcel tracking utilities for businesses. Relies heavily on kafka message queues and docker containers.
 - lockeralliance.net: Singapore's federated smart locker system which provides a single consistent interface for locker operators and logistics service providers to interoperate.
- Technologies: **Python, Django REST Framework, Postgres, Docker Compose, AWS.**

East Agile

Senior Software Developer - Fullstack (06/2016 – 01/2018)

- Maintained backend and single-page-app frontend for the Citizen Police Data Project (cpdp.co), a highly interactive visualization of an extensive Chicago police misconduct database.
- Performed pair programming and applied rigorous Test-Driven Development.
- Technologies: **Python, JavaScript, React/Redux, Django REST Framework, Ansible.**

Cogini

Web Developer - Backend & Infrastructure (02/2014 – 04/2015)

- Developed web apps and implemented server-side API for mobile apps.
- Maintained configuration management using Chef.
- Technologies: **Python, JavaScript, Postgres, nginx, Chef**

OPEN SOURCE PROJECTS

Pytaku

- A self-hosted web-based manga reader.
- Utilized a simple web stack with automated TLS cert management via Caddy.
- (Ab)used Google App Engine as an auto-IP-rotating proxy server for the web scraper.
- Experimented with bare minimum frontend dependencies (MithrilJS being the only non-cosmetic 3rd-party library), and simple bundling with esbuild.
- Technologies: **Python, JavaScript, Flask, MithrilJS, SQLite, Caddy, Google App Engine, esbuild.**

McRoss

- A minimalistic, cross-platform desktop GUI browser for the Gemini protocol.
- Technologies: **Python, Tkinter, socket programming.**

s4g

- Flexible static site generator that powers my own blog.
- Technologies: **Go, JavaScript, HTML, CSS.**

GORTS

- Scoreboard overlay controller for fighting game streams. An earlier version of it was successfully used for Saigon Cup streams for multiple years that peaked at 22k concurrent viewers including restreams in Japanese & Mandarin.
- Technologies: **Go, Tcl/Tk (previously Python, Tkinter), JavaScript, HTML, CSS.**

boast

- Static git repo listing generator in the same spirit as Stagit but supports cloning without any further server side config.
- Experimented with Zig and an HTML builder instead of templates.
- Technologies: **Zig, Git internals, HTML.**

QUALIFICATIONS

RMIT International University Vietnam

Bachelor of Information Technology (2011–2014)

- GPA: **3.2/4**
- Full scholarship
- IT Club Vice President

IELTS Academic

Overall score: 8.5/9 (2012)

- Listening: 9
- Reading: 9
- Speaking: 7.5
- Writing: 7.5
- Featured on British Council's website (archive)

MISCELLANEOUS

- Source: <https://github.com/nhanb/cv.imnhan.com/>
- References available upon request