

# Norbert Kéri

Devops engineer, backend/frontend developer, ~cloud architect~

**Phone:** +47 416 46 810  
**Mail:** keri.norbert.miklos@gmail.com  
**Blog:** https://ihaveabackup.net  
**StackOverflow:** https://careers.stackoverflow.com/norbertkeri  
**Languages:** Hungarian (primary), English (fluent), Norwegian (B1/B2)



I'm Norbert Kéri, an application developer with 14 years of experience. I have worked at agencies, small startups, large enterprises, and individual clients. I have been a coder, a system administrator, and a lead developer. I keep a high standard of quality, using methodologies such as automated testing, continuous integration, and code reviews. I'm currently ranked in the top 4% of users on Stack Overflow.

## Areas of expertise

### DevOps, system administration

5 years

I am very proficient in writing **shell scripts**, setting up, and maintaining an environment that can support **continuous integration**, creating complex deployment pipelines, that can support things such as webpack builds, database migrations, automated testing, and file transfers. From configuration management tools, I'm familiar with, and have written libraries for **Ansible**, and I have a projects running under **Docker** and **Kubernetes** in production. I can set up, and have managed quite a few servers, ranging from simple development environments, on-premise solutions, to virtual networks on **Amazon AWS**, **Azure**, and **GCP**. I believe that **Kubernetes** is a godsend, and every app should follow the **12 factor app** guidelines. I'm a **Linux** junkie at heart, and I know the ecosystem and the tools around it well enough, to solve and automate most tasks. I have experience with monitoring/logging tools such as **Zabbix**, **Kibana**, and **Logstash**.

### Backend

10 years

I'm a strong backend developer, having a lot of experience in **PHP**, **Python** and **Node**, and the various tools and libraries in their ecosystems, such as **Composer**, **XDebug**, **virtualenv**, and the major frameworks like **Symfony4**, **Doctrine2**, **Flask**, and **Express**. I have also written a small match-3 like game using **PyGame**, and worked a while as a Java developer. I have a **SOLID** grasp on **object oriented programming**, and I'm familiar with the usual best practices, and principles. I believe the best programming language at the moment is **rust**, and I would gladly work for any company that uses it.

### Frontend

10 years

I can turn your PSDs into **HTML**, **CSS**, and **JS**. I can create semantic, responsive, and valid markup, using popular libraries such as **React**, **MobX**, or **Redux**. I was a big fan of the Asynchronous Module Definition (**RequireJS**), but I now prefer **CommonJS**. I have experience in writing actual **browser extensions** for all the popular browsers. I have experience with various CSS pre/post processors, like **postcss**, and **SASS**. I think **CSS modules** are one of the best things to happen to CSS, and I have battled a lot with **server side rendering**. I really wish **Webpack** was easier to configure.

### Software testing

4 years

I am very fond of automated testing, be it testing isolated pieces of a system with **unit tests**, or whole end-to-end **functional testing** with **Selenium**. I have set up, and maintained **Behat** test suites as big as 1300 steps, configured **Jenkins** instances to run these tests, and report on various channels if things go wrong.

## Other relevant experience

I run a technical blog, where I write about my experiences in software development, and other random things that interest me. I have done interviews for 4 years, recruited, and trained new colleagues. I have contributed bug reports, documentations, and code to a few open source projects, such as **Doctrine2**, **Symfony2**, and Alice. I know what the root of all evil is. I believe organizational skills beat algorithmic wizardry. I have done presentations on devops, kubernetes, and rust. My favorite interview question is "What is the best programming language, and why is it rust?"

## Notable workplaces

### CGI / Mattilsynet

2020 - 2021

Cloud architect

baremetal kubernetes, kubespary, docker, microservices, jenkins2

I worked as a cloud developer for the Norwegian Food and Safety administration, helping them manage and upgrade their on-premise baremetal k8s setup, upgrading various infrastructure related services like Nexus, Jenkins, RabbitMQ, and Traefik. I have set up Ceph for persistent storage with the help of Rook, and set up automated security scanning with Trivy. I have migrated all of their applications away from the end of lived helm2 to helm3, and have written a few helm charts both for internal applications, and for 3rd party services. I have also held a presentation about rust, and kubernetes.

### Correlate AS

2018 - 2020

Lead developer

gcp, kubernetes, docker, nodejs, react, graphql, apollo, websockets

Lead developer on a productivity/organizational application. I helped to bring in the project that was initially outsourced to a foreign company, by building an inhouse development team. I have built the foundation of the next iteration of the application's backend and frontend, recruited new programmers, have set up automated testing and continuous integration, and managed the infrastructure for deploying the application to GCP.

### Yoimo AS

2016 - 2018

Full stack engineer

gcp, kubernetes, docker, php, mobx, react, jenkins2, websockets, symfony3

First developer on a video recording, and event streaming solution, that uses its own external cameras to source the videos from. The infrastructure utilizes a multi cloud deployment, using kubernetes to orchestrate most of the running microservices. I have recruited, and built up the development team, designed the architecture for the services, and mentored new hires.

### Fronter AS

2014 - 2016

Full stack engineer

nodejs, python, microservices, angular, browserify, ansible, express, php

I was maintaining a very large, legacy, e-learning application that has been on the market for 12+ years, while in parallel, refactoring it to a new, microservices based architecture. I have been part of writing the actual code for the services, setting up deployment pipelines, provisioning scripts, conducting code reviews, setting up various monitoring channels, writing tests, analyzing logs, and integrating third party services.

### LingoEducation Ltd.

2011 - 2014

Lead developer, devops

backbone, requirejs, grunt, php5.5, sass, symfony2, behat, phpunit, newrelic

I started as the sole developer on the project. I have recruited, and trained 3 other developers, and a designer along the way, and I have proudly built the whole infrastructure for an e-learning platform, that helped the client expand the presence of its language schools into the online territory, and to make deals with the local universities. The project is developed on the as-of stable PHP 5.5, using Symfony2 as the framework. On the frontend we used SASS for stylesheets, RequireJS for seperating our Backbone based JS modules, and used Grunt for fast recompilation. The quality is ensured by having about 80% of the application covered with functional tests.

## Neo-Interactive Ltd.

2007 - 2011

Mentor, developer

jquery, yui3, prototype, doctrine2, bash, php, js

I started out as a developer for a marketing, and news agency. Strict, sometimes impossible deadlines made it hard to deliver quality code, and focus was instead shifted to shipping the products on time. In the beginning I was tasked with maintaining, and extending the company's in-house framework, and after a while I grew out to be a mentor for the development team, introducing things like version control, developing in a local environment, and various other best practices. I have helped the company acquire key clients, such as Kraft Foods, and Raiffeisen.

---

## Hobbies

I am an avid squash player, and have played competitively in the past. I love tinkering with my home automation setup, and I spend unhealthy amounts of money on custom mechanical keyboards. I love games that have a very high skill ceiling, like DotA, and Starcraft, and I'm running out of room to store my boardgames. I have started playing the piano recently.

References are available on request.