

## ABOUT

### Main areas of interest:

Internal tools, Infrastructure, Developer experience, Reliability, Scalability, Linux, Operating systems

### Things I have worked with:

Go, Python, C/C++, Bash, Git, Linux, Make, Ruby on Rails, GitlabCI, Github Actions, Docker, Debian packaging, Homebrew, Ansible, Prometheus, Grafana, Kibana, Nginx, Openstack, (Openstack) Swift, Aerospike, Hadoop, Spark, Scikit, Kubernetes, SQL, Java, JavaScript, HTML, CSS, Lua, Haskell

### Languages:

English - full professional proficiency (C1), Czech - native speaker

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## EXPERIENCE

### Programmer Junior | [Seznam.cz](https://seznam.cz) (september 2016 - september 2019)

Implemented sort and thread IMAP extensions ([RFC5256](https://rfc5256.org/)). (C++)  
Worked on new phishing detection solutions. Used experiments and data to inform design decisions.  
Developed command-line tools. Experimented with ways to make tools more portable & easy to update.  
Wrote shell completions to make tools more usable. Discovered [a way](#) to use bash completions in zsh.  
PYTHON, C++, BASH

### Volunteering as IS Maintainer & Admin | [CTU Student Union](https://ctu.cz) (october 2016 - september 2019)

Maintenance of IS that manages internet users and payments at Bubeneč dormitory.  
Administration of Linux machines and network.

### Ruby on Rails Developer contractor | [Jiří Kratochvíl](https://www.jiri.kratochvil.cz) (march 2015 - october 2016)

Development of requested features and fixing bugs on e-shops and other websites.

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## EDUCATION

### Master's degree, **System Programming** | [Czech Technical University in Prague](https://www.cvut.cz) (2017 - now)

Created a simple [distributed system](#). (Go)  
Took courses on Parallel and distributed programming, Statistics, Reverse engineering, Network security, Efficient problem solving, Syntax analysis and Compilers.

### Erasmus Exchange Master's programme | [Utrecht University](https://www.uu.nl) (fall 2019)

Took courses on Programming language design.

### Bachelor's degree, **Software Engineering** | [Czech Technical University in Prague](https://www.cvut.cz) (2014 - 2017)

Participated in two software projects Augmented reality game and Online spreadsheet editor.  
Designed a simple CLI backup program with a custom binary archive format. (C++)

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## PROJECTS

### [Master's thesis](#), **Contextual Shell History** (work in progress)

Design and development of a shell history tool. Gained hundreds of users.

Project page: [github.com/curusarn/resh](https://github.com/curusarn/resh)

Go, BASH, ZSH

### [Bachelor's thesis](#), **Phishing Detection based on Entity Recognition**

Research, design and development of a phishing detection solution based on [Nametag](#).

PYTHON, SCIKIT

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## THINGS I'M PASSIONATE ABOUT

Command-line tools, shells, Linux, open-source, design, UX, HCI, automation of repetitive tasks, scripting, webcomics, mechanical keyboards, board games, pc building

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## CONTACT & ADDITIONAL INFORMATION

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### Additional information:

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