Curriculum vitae

PERSONAL INFORMATION

Lennart Jern

📍 Germundbysvängen 26, 10520 Tenala Finland

📱 +358442982638

✉ lennart.jern@gmail.com

🌐 https://lentzi90.github.io

Gender Male | Date of birth 10 April 1990 | Nationality Finnish

WORK EXPERIENCE

January 2018 –

Software Engineer

Elastisys

Kubernetes administration, containerization and migrations to Kubernetes as well as configuration of CI/CD pipelines for building in, and deploying on Kubernetes. Development and architecture of Elastisys Compliant Kubernetes. Workshops and training in Kubernetes administration and development. Development in Go, Python and Java.

Contributions to open source projects (among others):

— Cert-manager (`https://github.com/jetstack/cert-manager`)
— Kubespray (`https://github.com/kubernetes-sigs/kubespray`)
— Kubernetes website (`https://github.com/kubernetes/website`)
— Prometheus-operator
  (`https://github.com/prometheus-operator/prometheus-operator`)

June 2017 – December 2017

Teacher Assistant

Umeå University

Individual assistance, laborations, correcting assignments, etc.

May 2017 – August 2017

Research assistant

Umeå University

Changes to the Linux kernel (mainly the deadline scheduler and TCP/IP stack) for the TailTamer project. The goal of this project is to reduce the tail latency of virtual servers consisting of multiple parts.

June 2017 – August 2017

Summer Entrepreneur

Elastisys

Implementation of the Vsphere cloudpool for integrating Elastisys services with VMware.

January 2016 – August 2016

Research assistant

Åbo Akademi University

Development of automatically corrected questions for the STACK project (`http://stack.bham.ac.uk/`).

June 2015 – July 2015

Internship

Åbo Akademi University

— Testing of automatically corrected questions for the STACK project (`http://stack.bham.ac.uk/`).
— Work on master's thesis

June 2014 – August 2014

Construction work

Private company Stefan Enberg

Summers 2012 and 2013	**Construction work**

Lärkkulla Folk Academy

EDUCATION AND TRAINING ── ■

Courses and certifications

2019	Kubernetes Administrator - Certification ID: CKA-1900-001574-0100
2017 – 2018	Master's level courses at Umeå University

- Artificial Intelligence - Methods and Applications
- Parallel programming for multicore-based systems
- Distributed Systems
- Operating Systems
- Database System Principles
- Efficient Algorithms

2011–2016	**Master of Science in Mathematics**	ISCED 7

Åbo Akademi University, Åbo Finland

- Major subject: Applied Mathematics
- Minor: Physics and Computer Science
- Teaching certificate for mathematics and physics (upper secondary and gymnasium)

2009–2010	**Lärkkulla pop&rock**

Lärkkulla Folk Academy, Karis Finland

2006–2009	**Matriculation exam**

Ekenäs gymnasium, Ekenäs Finland

PERSONAL SKILLS

Mother tongue Swedish

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C2
Finnish	B1	A2	A2	A2	A2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills As a teacher in Mathematics and Pysics I am able to talk about complex topics in an easily understandlable way, without omitting critical information.

Computer skills
− Kubernetes CI/CD using ArgoCD, Kustomize and Helm
− Infrastructure as code: Terraform
− Clouds: Google Cloud Platform and AWS
− Monitoring using Prometheus, Grafana and Alertmanager
− Programming in C, Python, Java, Go and Matlab/Octave
− Configuration management: Ansible
− Webdesign using HTML, CSS, JavaScript, PHP, Bootstrap, Jekyll and Django
− Working in a Linux environment. Especially in Ubuntu and Fedora.
− Scripting in bash
− LaTeX, TikZ and PGFPlots
− Git

Other skills Outdoor activities such as skiing, ice skating or walking. Singing in choirs or smaller groups, playing guitar and piano.

Driving licence B

ADDITIONAL INFORMATION

Civilian service I completed my civilian service at Lärkkulla Folk Academy in 2010 – 2011.