

Luk Burchard

<https://lbb.sh/>

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EXPERIENCE

- **Google** Seattle, United States
Engineering Intern *Apr 2018 - Aug 2018*
 - **Krew - The Kubectl Plugin Manager:** Kubectl is the command line tool to interact with Kubernetes. krew helps with discovering, installing and managing plugins to extend the user experience and to help growing the ecosystem. Now adopted by the CNCF. <https://github.com/kubernetes-sigs/krew>.
 - **Design Docs - Working in a strongly structured manner:** Writing Design docs, Product requirements document (PRD) and friction logs to determine a projects needs and problems to assess the time and resources required.
 - **Code review:** Code review is systematic examination (sometimes referred to as peer review) of computer source code. It is intended to find mistakes overlooked in software development, improving the overall quality of software.
- **Loodse GmbH** Hamburg, Germany
Software Engineer *Oct 2016 - Apr 2018*
 - **Consulting:** I've worked with Enterprises to bring their infrastructure to Kubernetes/GCP. During this time I've learned to work in a huge team with many companies being involved
 - **Kubernetes:** Kubernetes is an open-source container-orchestration system for automating deployment, scaling and management of containerized applications.
 - **CKA - Certified Kubernetes Administrator:** The Certified Kubernetes Administrator (CKA) program was created by the Cloud Native Computing Foundation (CNCF), in collaboration with The Linux Foundation, to help develop the Kubernetes ecosystem.
 - **Presenting/Teaching:** I've given some workshops/talks on Conferences to teach GKE/Kubernetes, i.e Google Launchpad, Google Events for startups, Containerdays, TechTalks
 - **Open Source Contributor:** I'm familiar with the process of creating a Pull Request and submitting code review.

EDUCATION

- **Technical University of Berlin (5 Semester BSc)** Berlin, Germany
Bachelor of Computer Science *Oct. 2016 - Oct. 2019*
- **Gymnasium Oberalster** Hamburg, Germany
Abitur with focus on Physics and Computer Science *Aug. 2013 - May. 2016*

EXTRACURRICULAR

- **Developer Student Club (DSC) Lead** Berlin, Germany
Teaching Students how to program *Aug. 2019*
- **TechTalks and Courses for Students** Berlin, Germany
Teach students programming in a distributed environment *Bachelor*

PROJECTS

- **Cotbat/Cotloader:** Demo application to teach 12-factor refactoring to work in a containerized environment.
- **Kubernetes Commander:** A TUI tool for working with Kubernetes (kubectl with terminal charts).
- **Mangraph:** Draws a directed graph from your manpage files.

SKILLS

- **Programming Languages:** Go, C, Python, SQL, Java, Bash
- **Languages:** German(Native), English(Fluent)
- **Technologies I'm interested in /I've played with:** gRPC, Istio (Service mesh), Ocaml, Unikernel