

# Kang Hsieh

M.Sc. Aerospace Engineer | Software Developer

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Combined experience and knowledge in both **aerospace engineering and software development**. Having **over 6 years of successfully managed projects in technical operations of aerospace industry**. Recent graduate of a **software development** coding bootcamp. Data-driven, structured and pragmatic approach to continuous improvement of operations.

## 🧠 SKILLS

### Programming languages

Javascript, Ruby, Python

### Frameworks

Next.js, React.js, Ruby on Rails

### Backend

Node.js, SQL, Postgresql, MongoDB

### DevOps Tools

Git, Github, Heroku, Vercel

### Other tools

Tableau, Matlab, MS Office, Slack

## 📁 PROFESSIONAL EXPERIENCE

### Software Developer

2022 – present

Freelance

- Building an MVP for an HR Management **web application** using **Next.js framework**
- Building a **web application** to connect refugees in need with volunteers for humanitarian aid using **Next.js & MongoDB** framework

### Web Development Teaching Assistant

2022 – present

Le Wagon

- Teaching Ruby, Javascript, SQL, Ruby on Rails to coding bootcamp students

### Project Manager & Revenue Analyst

2019 – 2021

Lufthansa

- **Forecasted demand patterns** on several intercontinental routes which accounted for 420 Mio. EUR of revenue.
- **Optimized revenue performance by exploiting large cloud-based datasets** of the airline's historical flight data of 10-20 years.
- **Led a cross-functional agile project team** of 10 people consisting of **software developers, IT solution managers** and commercial managers.
- Reached the goal of **deploying** a revenue management system **MVP into production** on time and below budget.
- Contributed to a **successful start of sale and operation** of an entire new airline only 1 year after project start.

## Project Engineer

Lufthansa Technik

2016 – 2019

**Accountable** for **lean production and digitalization**, project management, business intelligence and **data analysis** and leading several projects:

- Improved the work processes efficiency of the structure maintenance team by 10%.
- **Developed digital performance monitoring** and implemented a new maintenance concept for aircraft cabin maintenance leading to an overall reduction of process times by 5%.
- Introduced state-of-the-art **business intelligence, data mining and sourcing to tech ops** performance monitoring using **SQL and Tableau**.

## EDUCATION

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### Full Stack Web Development, Software Engineering

2022 – 2022

*Le Wagon*

10 week full time intensive coding bootcamp  
Ruby on Rails, Javascript, SQL, HTML, CSS

### Aerospace Engineering, Master of Science

2014 – 2016

*RWTH Aachen University*

### Mechanical Engineering, Bachelor of Science

2009 – 2014

*RWTH Aachen University*

## CERTIFICATES

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Project Management Professional (PMP)

Tableau Analyst

## LANGUAGES

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German

English

Chinese Mandarin