

# Lorenz Postner

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## Professional experience

### Software Engineering Manager at Blackpanda (Hong Kong)

August 2024 - present

- **Leading team of 5 Engineers + 3 Operational support**
  - Migration of mission-critical core web application for blackpanda.com from Heroku to AWS
- **Previously: Senior Data Engineer/ Backend Engineer** from October 2022 - August 2024
  - **Designed and built a new security product line within Blackpanda: Attack Surface Management** solution for small companies that can detect ~100 most common security vulnerabilities on public facing IT assets.
- **Designed and implemented new data lake infrastructure from scratch:**
  - Connected 5+ sources into Databricks
  - Data source mapping and analysis
  - ETL pipeline and interface design
- Helped streamline digital forensics workflow automation with Shell/ Python scripts that resulted in 10% efficiency gains

### Senior Data Engineer at ExpressVPN/ Network Guard (Hong Kong)

May 2021 – October 2022 (Senior Data Engineer after June 2022)

- **Designed and implemented core data pipeline** for Customer Relationship database (AWS Relational Database to AWS Redshift) using **terraform** as **Infrastructure-as-Code** framework to reduce data pipeline latency from 24 hours to less than 5 minutes
- Designed and built data pipeline for new product line to enable customer communication to several thousand customers
- Mentored and onboarded two junior members of the Data Engineering team
- Helped implement security audit and threat modelling for data platform/ data pipelines

### Data Analyst at ExpressVPN/ Network Guard (Hong Kong)

May 2020 – May 2021

- Created comprehensive **dashboard suite on active users and retention topics** (saving several hours of data processing each month, dashboard is used up to CEO level)
- Built **affiliate network dashboarding solution**, resulting in improved monitoring of affiliate quality and termination of unprofitable partnerships
- Implemented **Customer NPS monitoring** solution, resulting in 2+ hours saved for Brand team each week

### Business Intelligence Lead at Talkpush (Hong Kong)

May 2018 – May 2020

- Designed and implemented a **comprehensive client-facing dashboard solution** with 30+ metrics embedded in the core software product
- Successfully **led a team of 2 Analysts in Analytics Team**
- Built candidate recommendation engine (using **sklearn/ keras** libraries) with 3x improvement over current system
- Consolidate data from 5+ sources into **data warehouse (PostgreSQL + Python-based data pipelines)**

#### Skills:

- Programming:
  - **(Advanced) Python** (Data Engineering/ pipelines, Data Analysis, some Machine Learning applications)
  - **(Advanced) SQL** (Postgresql/ AWS Redshift)
  - **(Advanced) Terraform** (AWS, Cloudflare, etc.)
  - **(Basic) Java** (Android app development, mostly used for personal side projects)
- Cybersecurity:
  - Pentesting/ Red teaming basics
- Cloud computing (Mostly AWS/ some Google Cloud):
  - **AWS Certified Solutions Architect (Associate) 2021**
  - **DevOps** (CI/ CD deployment pipelines, shell scripting, automated testing)
  - AWS Redshift/ Kinesis/ Firehose/ Lambda/ Relational Database Service/ S3/ EMR
- Analysis/ visualization:
  - **Tableau/ Microsoft PowerBI**

## Education

### Berlin School of Economics and Law (Germany):

- International Business Management/ Finance (2014 – 2018) with **overall grade 3.8 GPA**, semesters abroad:
  - Semesters abroad in China: Chengdu (2016), Shanghai (2017)
- Scholarship program (Deutschland stipendium) April 2015-2016/ Scholarship program PROMOS 2015/2016