

# Jinjia Zhang

✉ [isfrank.j.zhang@gmail.com](mailto:isfrank.j.zhang@gmail.com)    [jinjia-zhang](https://www.linkedin.com/in/jinjia-zhang)  
 (+358)504706596    [jinjia](https://github.com/jinjia)

## OBJECTIVE

---

Aspiring software engineer with a strong background in cloud computing, cybersecurity, and backend development with DevOps mindset (build it, run it and monitor it), seeking to leverage my technical expertise and innovative problem-solving skills to contribute to a dynamic team.

## EXPERIENCE

---



### IPRally

*DevOps Engineer, Full-time*

*Helsinki, Finland*

*June 2025 - Present*

- GCP, Kubernetes, Terraform, GitHub Actions...



### EKE-Electronics

*Software Engineer, Full-time from Sep 2024*

*Espoo, Finland*

*Mar 2023 - May 2025*

- Played a supporting role in the Automatic Selective Door Operation Software team, initiating comprehensive software testing to achieve 100% coverage using C and GoogleTest
- Actively working on the AWS cloud environment for the Condition Monitoring System, enabling service functionality and security; utilizing CloudFormation/CDK/SAM, ELB, ECS, Lambda, RDS, CloudWatch, EventBridge, WAF, Cognito, Backup etc.
- Converted all resources to CloudFormation to streamline deployments across different environments.
- Undertook a master's thesis on Cloud and CyberSecurity, focusing on the Evaluation of Application Migration from Cloud to On-Premise, incorporating Docker, Helm, Kubernetes



### Aalto University - Computer Science Department

*Teaching Assistant, Part-Time*

*Espoo, Finland*

*Jan 2023 - April 2023*

- Contributed 90 hours as a Technical Teaching Assistant, primarily in Web Software Development and Designing & Building Scalable Web Applications courses
- Managed Q&A groups to assist students, guiding them through programming challenges and reviewing course projects, utilizing React, JavaScript, Deno and Docker



### ByteDance (TikTok)

*Cloud Platform Developer, Fulltime*

*Beijing, China*

*Dec 2021 - Jul 2022*

- Focused on IaaS - Compute Service, enhancing the system's stability, observability, and security by optimizing the connection of backend services, employing Golang, Python, gRPC, MySQL, and OpenTracing
- Developed a comprehensive knowledge base for technical issues, user documentation, and solutions for on-call problems
- Enhanced middleware efficiency for backend service observation, streamlining R&D and troubleshooting processes



### QI-ANXIN (previously Qihoo 360 Enterprise Security Group)

*Back-end Developer, Fulltime*

*Beijing, China*

*Jul 2020 - Nov 2021*

- Contributed to an internal microservice framework, offering critical on-call support, using Golang
- Defined the standards of data models and parsed corresponding configuration files; utilized reflection libraries related to protocol buffers to autogenerate APIs
- Constructed the observability module of the whole pub/sub system, which could monitor the current number/speed of generating events, the number of subscribers, etc., and visualize them with Prometheus and Grafana
- Wrote scripts to conduct integration tests by using fail-point to simulate typical conditions and various abnormal conditions

## OPEN SOURCE CONTRIBUTION

---

- **Memobase**: A Profile-Based Long-Term Memory for AI Applications - Maintainer (Python,EKS, Supabase, Cloudflare, OpenTelemetry, LLM)
- **Terraform-provider-karpor**: A Terraform provider for managing cluster in Karpor - Maintainer (Golang, Terraform)
- **Karpor**: CNCF Sandbox Project, Intelligence for Kubernetes - Contributor (Golang, Kubernetes)
- **Jaeger**: CNCF Graduated Project, A Distributed Tracing Platform - Contributor (Golang)
- **Collector-contrib**: CNCF Incubating Project, OpenTelemetry Collector Contrib - Contributor (Golang)

## EDUCATION

---



**KTH Royal Institute of Technology**

*M.S. in Security and Cloud Computing*

*KTH Joint Programme Scholarship Holder, GPA: 4.73/5*

*Stockholm, Sweden*

*Aug 2023 - Jul 2024*



**Aalto University**

*M.S. in Security and Cloud Computing*

*Graduation with Honours, GPA: 4.73/5*

*Espoo, Finland*

*Aug 2022 - Jul 2024*



**Nanjing University of Posts and Telecommunications**

*Internet of Things Engineering*

*GPA: 3.97/5*

*Nanjing, China*

*Sep 2016 - Jun 2020*

## SKILLS

---

- Languages: Golang, Python, C/C++, JavaScript/TypeScript, Java, Bash, Rust, Erlang
- Skills: Linux, Git, Kubernetes, Helm, Docker, SQL, NoSQL, OpenTelemetry, Istio, eBPF
- Cloud: AWS, GCP, Azure, Terraform, CloudFormation/CDK, GitHub Actions
- Effective communication in English (working proficiency) and Mandarin (native)
- Strong logical documenting skills and paying attention to details, interested in ethical hacking

## CERTIFICATES

---

- AWS Certified DevOps Engineer - Professional, February 2025 - February 2028
- AWS Certified SysOps Administrator - Associate, October 2024 - February 2028
- AWS Certified Developer - Associate, August 2024 - February 2028
- AWS Certified Solutions Architect - Associate, May 2024 - May 2027
- Certified Kubernetes Administrator, April 2024 - April 2026

## ACTIVITIES AND AWARDS

---

- 2023 and 2024 Aalto University SCI Dean's Scholarship
- 2023 Aalto Free Mover Scholarship
- 2023 HAIC Mobility scholarships
- 2023 KTH Joint Programme Scholarship
- Slush 2022 Volunteer (Construction Team)