

# Michael Sayapin

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## PROFESSIONAL EXPERIENCE

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### **iDRC Gaiaimesh – Shanghai, Bangkok**

**2019–now**

*Tech Lead*

- designed and developed a backend for industrial IoT system controlling HVAC in real time
- managed own bare metal servers with Kubernetes and every component in highly available config
- developed a pipeline to ingest 1000s of messages/second with 10 years storage at a very low cost
- mentored a diverse remote team and managed discussions on key technical decisions

### **Smartmeal – Shanghai**

**2015–2019**

*Founder, Tech Lead*

- developed a new type of food recommendation system based on 60+ data points
- designed a simplified process for data entry using voice and fuzzy similarity logic

### **Posit – Hong Kong**

**2017**

*Backend & Hardware Lead, contract*

- developed a novel approach for indoor positioning using BLE embedded into key cards, implemented hardware, firmware, and backend (project for a major coworking space)

### **Tao Trading – Shenzhen**

**2009–2015**

*Founder, Tech Lead*

- built an automated warehouse and process to handle 2000+ orders/day with just 6 staff per shift
- implemented fast and accurate search over 700+ million SKUs with near real-time update, including “search by color” and image similarity search that nobody had at the time

### **MLG Luxury Group – Saint Petersburg**

**2006–2009**

*Software Team Lead*

- supported business growth over 30x over 3 years, last year fully remote
- implemented one of the first fully paperless companies in Russia

## SKILLS

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**Software:** Python (Django, Flask, FastAPI, Numpy, Pandas...), JS/TS (Vue, React, Svelte...), HTML/CSS.

**Infrastructure:** Linux, AWS / China clouds, Kubernetes, Docker, ELK stack, OpenTelemetry, Grafana stack (Tempo/Loki/Grafana/AlertManager).

**Languages:** English, Russian, Chinese (basic).