

OTTO KAFKA

· Website: ottokafka.github.io

EXPERIENCE

Tech Lead - Cyber Security, nPro
California, United States

January 2024 - Present

Led development of SIEM and EDR solutions, integrating machine learning and Large Language Models for advanced threat detection across Windows/Linux servers and FortiGate routers.

Engineered high-performance systems using Python, Golang, and C++ to process petabyte-scale data, ensuring scalable real-time monitoring.

- Automated security alerts and incident response workflows with scripting, enhancing operational efficiency.
- Applied threat modeling, secure coding, and network security expertise to strengthen system defenses.
- Mentored junior developers and led hiring, balancing 80% coding and 20% management responsibilities.

Tech Lead + Senior Software Engineer, Forest Interactive November 2022 - November 2024
Kuala Lumpur, Malaysia

Led implementation of open-source Large Language Models (LLMs) for private AI in enterprise R&D initiatives, including GPU clustering.

Developed server-side applications using Node.js and Python, with front-end in Flutter and React.

- Scaled PostgreSQL database, optimizing performance.
- Conducted training sessions to enhance team skills and project efficiency.

Senior Back-end Developer / Team Lead, ELFO (Telco)
Kuala Lumpur, Malaysia

January 2020 - January 2022

Spearheaded backend development and mentored a team of 8, driving significant improvements in ad tech platform performance. Architected and implemented a high-throughput Demand-Side Platform (DSP) processing 500K bids/second. Led system-wide optimizations resulting in 40% increased scalability, 60% faster query responses, and 50% reduced deployment times.

Full Stack Developer, WaykiChain (FinTech)
Shenzhen, China

January 2019 - January 2020

Engineered a high-performance decentralized finance (DEX) platform, developing core APIs processing 50,000+ transactions/second. Designed and implemented scalable data architecture, achieving 99.99% uptime. Built real-time analytics dashboard and integrated third-party services.

Full Stack Developer, Nebulas (FinTech)
Beijing, China

February 2017 - January 2019

Architected and developed a high-frequency trading platform using React.js/Redux for front-end and Node.js for real-time data processing. Implemented RESTful APIs handling 10,000+ transactions per second. Collaborated internationally to design and integrate advanced risk management algorithms and automated compliance checks, enhancing system security and regulatory adherence.