Guhyun Chung

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Education

Bachelor of Science Computer Science

New York University | 3.52/4.0

Graduation Date: May 2027

Tech Stack

- JavaScript (NodeJS)
- ReactJS
- Python
- Java
- MariaDB
- NGINX
- Linux (Debian)
- BGP
- Apache Cordova
- Proxmox Hypervisor
- Webflow
- AirTable

Links

github.com/justiceserv

Professional Experience

4096 SVCS LLC

Chief Operating Officer

Wyoming, United States | January 2025 - Present

- Co-founded a privacy-focused data center operating company with a $100,000 initial investment contributed by three founding members, establishing a highly secure and discreet infrastructure designed to maintain operational anonymity.

- Negotiated Paid Peering and Transit contracts with major carriers such as Korea Telecom and China Unicom, achieving 99.4 percent South Korean prefix reachability without relying on transit arrangements.

- Arranged cost-effective peering contracts and interconnection agreements, enabling the development of a DDoS Protection Transit product with a total capacity of 2.6 terabits per second, optimizing network security and performance for high-bandwidth clients.

- Built network infrastructure utilizing 100Gbps Arista switches and custom Linux switches with BIRD and FRRouting, which provides reliable, high-capacity transit services at critical carrier locations like KINX Dogok.

- Currently developing a billing console and an automated bare-metal server deployment system using ReactJS, ExpressJS, and OpenStack, targeting the needs of VPN and CDN providers requiring scalable and efficient operations.

Pluxcon Co., Ltd

Seoul, South Korea │ June 2023 - March 2025

- Established a software outsourcing and server colocation company with an initial capital of $3,000, scaling it to $250,000 in annual revenue with a 10 percent net profit margin, managing a team of two employees and four subcontractors to deliver tailored IT solutions and colocation services for over 10 clients.

- Designed and deployed a lights-out data center in South Korea using Proxmox, OpenStack, BIRD, and Arista, supporting private cloud solutions for over 10 clients with seamless overload handling and over 5Gbps of clean traffic without latency or congestion.

- Upgraded mid-sized hospital systems by replacing aging, downtime-prone hardware with new on-premise servers using a rolling-out approach, achieving 99.995 percent availability and migrating 500 gigabytes of OracleDB data to improve system reliability and performance.

- Streamlined internal workflows by integrating ChatGPT API as an automated search engine for previous client communication and support documents, enabling employees to quickly retrieve relevant information and reduce response times by an average of 15 minutes per interaction, improving overall efficiency.

JTS Systems Co. (fka Pluxcon Network)

Full Stack Engineer

Seoul, South Korea │ March 2021 - May 2023

- Built an API platform using ReactJS, ExpressJS, MariaDB, and residential proxies for high-frequency data scraping, collaborating with small business owners and real estate agencies to deliver detailed real estate and voucher data with an average bandwidth usage of 87 Mbps over a two-year period.

- Developed an ERC-721 NFT launchpad and Web3 tools using ReactJS, ExpressJS, HardHat, NGINX, and Cloudflare LoadBalancer, managing over 10,000 requests per second to ensure smooth listings on OpenSea and an efficient, user-friendly minting experience for customers.

- Supported small business clients by developing robust tools for voucher resales, enhancing transaction reliability and scalability to empower growing enterprises.