

Changsuk Jeon

DevOps Engineer

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Versatile DevOps & SRE Engineer with end-to-end expertise spanning multi-cloud management, SRE, and high-availability blockchain infrastructure (Cosmos, Ethereum, and more). Passionate about project ownership, continuous skill acquisition, and knowledge sharing that drives team velocity and business growth.

TECHNICAL SKILLS

Cloud & Orchestration: AWS, Kubernetes, Docker, Helm, Kubeadm, EKS, Istio Service Mesh

Infrastructure as Code: Terraform, Ansible

Observability: OpenTelemetry, Prometheus, Grafana, SLO/SLI definition

Systems & Networking: Linux Administration, Calico, HAProxy, AWS WAF, TCP/IP Networking

Blockchain Infrastructure: Tendermint / Cosmos SDK, Cosmovisor, Validator Operations, Sentry Node Architecture

CI/CD: GitHub Actions, Jenkins, Argo CD

Languages: TypeScript, Python, Go, Bash, HCL

CERTIFICATIONS

AWS

- [Security – Specialty](#)
- [Solutions Architect – Professional](#)
- [Solutions Architect – Associate](#)

HashiCorp

- [Terraform Authoring and Operations Professional](#)

CNCF

- [Certified Kubernetes Administrator \(CKA\)](#)
- [Certified Kubernetes Application Developer \(CKAD\)](#)

PROFESSIONAL EXPERIENCE

DevOps & Blockchain Instructor · Freelance

Feb 2020 – Present

- Teach the blockchain, cloud, and AI tracks at ICT Innovation Square since 2020, running intermediate and advanced cohorts
- Cover web3 and LLM integration — gas-optimized Solidity smart contracts, LLM-powered dApp development, and AI agent workflows
- Run hands-on node operations labs on AWS — infrastructure provisioned with Terraform, installation automated with Ansible, and security-critical validator steps kept manual by design
- Mentor engineers at SSAFY (Samsung Software Academy for Youth) on Web3 and software engineering career paths

Co-Founder, DevOps Engineer · Baryon

Jun 2021 – Oct 2024

- Operated validator and full-node infrastructure across 10+ Tendermint / Cosmos-SDK chains — Persistence, Sifchain, Umee, Regen, Omniflix, RIZON, ThorChain - on a sentry-isolated, multi-cloud footprint spanning 3+ providers
- Architected a hybrid AWS + Hetzner bare-metal topology matched to per-chain I/O profiles, cutting monthly infrastructure cost by 70% with no loss of validator availability
- Led the SLO initiative for validator operations, redefining availability as 100-block liveness windows rather than raw process uptime — eliminating 95% of non-actionable alerts
- Cut MTTD for stalled-but-alive nodes to under 1 minute by detecting process flapping through systemd metrics and cross-validating liveness against external RPC endpoints
- Shifted disaster recovery from always-on standby to Terraform-provisioned on-demand rebuilds, trading a small RTO increase for the removal of continuous idle spend

- Built reusable Terraform modules for the agency's recurring AWS Web-WAS-DB stack pattern, replacing hand-rolled per-client provisioning and cutting environment setup time for each new client engagement
- Brought inherited client environments to 100% IaC coverage by importing live, hand-provisioned resources into Terraform state without downtime, making every environment reproducible from code
- Eliminated configuration drift across client accounts so any engineer could take over or hand off an environment from version-controlled state rather than the original builder's tribal knowledge

Co-Founder, DevOps Engineer · GreenCube (Chiabatta)

Jul 2021 – Mar 2022

- Co-founded Korea's first and only Chia farming pool at the time — a global top-30 operator by netspace — running under an official trademark license from Chia Network Inc
- Built a non-custodial architecture on Chia's official Pooling Protocol (Plot NFT singletons, no private-key custody, plots portable between pools) while most competing pools ran proprietary, operator-controlled stacks
- Engineered high-availability full nodes and pool servers backing ~9 PiB of aggregated farmer netspace at peak, settling block rewards on-chain (1.75 XCH per block) with sub-1-minute payout to farmers
- Operated with zero security incidents; supplied pool data to the XCHscan block explorer and shipped KakaoTalk-based alerting for a 1,000+ farmer community

Backend Developer · DSRV

Jan 2021 – Jun 2021

- Refactored tightly coupled controllers in a MetaMask-forked codebase, decoupling dependencies to reduce complexity and accelerate feature rollouts
- Built React-based frontend UI components to support the extension wallet's core functionalities and user onboarding
- Launched a Celo-dedicated Chrome extension wallet by restructuring a bloated legacy codebase into feature-focused modules, enabling seamless dApp connectivity

Backend Developer · Lambda256

Dec 2019 – Jan 2021

- Built a backend collector integrated with full nodes to load large-scale transaction data into an RDB
- Modeled a clustering algorithm to detect hot-wallet aggregation from deposit patterns (Many-to-One, Sweep)
- Optimized backend queries for large-scale transaction analysis
- Produced suspicious-wallet labeling data, supporting collaboration with KISA

EDUCATION

M.A. in Translation and Interpretation (Withdrawn)

2017 - 2019

Seoul University of Foreign Studies

B.B.A., Business Administration

2010 - 2017

Konkuk University (Seoul)

LANGUAGES

English (Native, Professional), Korean (Native)

ADDITIONAL INFORMATION

35M Human Intelligence Collector

2010 - 2012

KATUSA (Korean Augmentation To the United States Army)

Web3 Researcher

2017 - 2020

Ethereum Research Group