

# Cheulong Sear

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## Objective

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- Dynamic professional with 5+ years of comprehensive experience in Cloud and Automation
- Exceptional skill in Container technologies, Azure Cloud Migration, Linux Administration, CI/CD Integration working in agile environment

## Skills

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- **CI/CD Tool:** Jenkins, Azure DevOps, Github action
- **Build Tool:** NodeJs
- **Containerization & Orchestration:** Docker, Kubernetes, Azure Kubernetes Service(AKS)
- **IAC Tools:** Terraform, Ansible
- **Cloud Platform:** Microsoft Azure
- **Languages:** Python, Bash, JavaScript
- **Operating System:** Linux
- **GitOps:** ArgoCD
- **Monitoring & Logging:** Prometheus, Grafana
- **Other Tools:** SonarQube, Helm, Nginx, Istio, ReactJs, Typescript, ExpressJs

## Certifications

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- [Microsoft Certified - Azure Administrator Associate](#) (AZ-104)
- [Microsoft Certified - Azure AI Fundamentals](#) (AI-900)
- Microsoft Certified - Azure DevOps Engineer Expert (AZ-400) (In Progress)
- Kubernetes Certified - Kubernetes Administrator (CKA) (In Progress)

## Experience

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### Software Developer - Alstom

Bangkok, Thailand (Jan 2024 - Present)

- Upgraded Electron framework (v5 → v31) to modernize the development stack and enable ESM syntax, facilitating improved build and deployment processes.
- Enhanced Azure DevOps pipelines to integrate the latest Electron builder, automating build and Windows code-signing workflows.
- Implemented end-to-end testing automation using Playwright within Electron, improving deployment confidence and reducing manual QA time.
- Collaborated with cross-functional teams to maintain CI/CD health and ensure consistent release quality.
- Using Blackduck tools to scan the vulnerability and out of date in third party library.

### DevOps-Focused Software Developer - Seven Peaks Software

Bangkok, Thailand (Feb 2022 - Dec 2023)

- Implemented Infrastructure as Code (IaC) using Terraform to provision and manage Azure

resources across multiple projects.

- Automated CI/CD pipelines using Azure DevOps, increasing delivery speed and minimizing deployment errors.
- Supported DevOps practices in building a secure, scalable hospital website using Azure services, helping increase telemedicine adoption by 30%.
- Led the CI/CD pipeline setup for a pizza ordering app and a real-time insurance video call platform, integrating Playwright testing and optimizing system reliability.
- Integrated Azure Communication Services and SignalR for real-time communication features, ensuring platform scalability and stability.

### **Full-Stack Developer - Ling**

Chiang Mai, Thailand (Aug 2019 - Jan 2022)

- Maintained backend infrastructure with Firebase Cloud Functions, supporting scalable mobile app deployments on Android and iOS.
- Integrated third-party services including authentication, payments, and analytics, ensuring secure and performance-optimized builds.
- Actively contributed to deployment and monitoring workflows, improving uptime and system responsiveness.

## **Projects**

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### **CI/CD Automation for Restaurant Web Application**

**Role:** DevOps Engineer

**Tools/Tech:** Azure DevOps, Docker, Kubernetes, Helm, Git, SonarQube, Terraform, Azure

**Description:**

- Designed and implemented a CI/CD pipeline for 6 microservices using Azure DevOps and Docker
- Deployed services on AKS using Helm charts, enabling blue-green deployments.
- Integrated SonarQube for code quality and security scans in the pipeline.
- Reduced deployment time by 60% and minimized manual errors in production releases.

### **Microservice E-commerce Deployment**

**Role:** DevOps Engineer

**Tools/Tech:** Gitlab CI/CD, Docker, Kubernetes, Helm, Git, SonarQube, Terraform, Azure

**Description:**

- Designed and deployed multiple microservices (e.g., user, product, order, payment) using Docker containers and orchestrated them with Kubernetes on Azure.
- Automated build, test, and deployment processes using GitLab CI/CD pipelines.
- Managed service configurations and deployments using Helm charts for consistent and repeatable delivery.
- Integrated SonarQube into the CI pipeline for continuous code quality and security analysis.
- Configured centralized monitoring using Prometheus and set up alerts for key metrics.
- Utilized Git for version control and implemented best practices for branching and collaboration.
- Managed infrastructure and secrets securely with Kubernetes ConfigMaps and Secrets.

## **Languages**

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- English, Thai, and Khmer (Professional proficiency or above)

## Education

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- Bachelor of Software Engineering, Chiang Mai University (2015 - 2019)