

Kamontat Chantrachirathumrong

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SUMMARY

Versatile Lead Developer with 7+ years of experience, recognized for significantly impacting business growth through innovative software solutions. An open source enthusiast with 3,000+ GitHub contributions, demonstrating a strong commitment to community empowerment and collaborative development. Agile and solution-focused, ready to drive success through technical excellence and community engagement.

PROFESSIONAL EXPERIENCES

Smartertravel.com (Thailand) Co., Ltd. **Bangkok, Thailand**
Principal Software Engineer (Full time) **Jul 2024 - Present**

- Researching new technologies and works on POC to improve our infrastructure in general.
- Investigating and finding potential bug or security vulnerability.
- Investigating our usage and identifying potential cost reduction.

Project: Infrastructure

- Designed and implemented SSO credential with internals service using Okta.
- Updated legacy platform to use Okta login instead basic authentication.
- Led devops team to update/maintain infrastructure services.

Project: Security

- Improved overall security on our internal tools and third-parties services.
- Upgraded several legacy components contains severity vulnerability.

Lead Developer (Full time) **Oct 2023 - Jun 2024**

Project: Shutdown OTA

- A significant AWS monthly savings of approximately 20k USD.
- Created migration plan, and disaster recovery plan for shutdown OTA services.
- Migrated legacy components from EC2 to Kubernetes.
- Supervised a 5 developers team to shut down the related applications and services.

Project: Cost cutting

- Analyzed the company's infrastructure and reduced AWS costs by more than 50% within two months.
- Consolidated metrics from four databases and three Grafana instances into a single Grafana with Thanos.
- Migrated over five years of database/infrastructure to the latest LTS version.
- **Technologies:** Java, Python, Typescript/Javascript, Spring boot, Kubernetes, EC2, RDS, MSK;

Senior Software Engineer (Full time) **Jan 2022 - Sep 2023**

Project: Organization Identity Access Manager

- Designed and customized Keycloak for our customers and internal access control needs.
- Customized user interfaces for both internal and external users to match company identity.
- **Technologies:** Java, Keycloak, NextJS, Playwright, Tailwind, Spring Boot, Postgres, Kubernetes, Prometheus, Kafka, AWS;

Project: Hotel rate caching

- Implemented a rate caching mechanism from the provider into our in-memory database (Aerospike).
- Satiated a business requirement.
- Designed and implemented microservices to support a high-traffic system (2,000 requests per second).
- **Technologies:** Golang, Java, Spring Boot, Protobuf, Kafka, MySQL, Aerospike, Kubernetes, Prometheus, Grafana, AWS;

Project: Payment website and service

- Deliver software development based on business requirements, improve user interface for better mobile display, and fix several bugs with existing features.
- Refactor the frontend to improve performance, add integration tests and set up better Continuous Integration (CI).
- **Technologies:** Typescript, React, Dotnet, Kafka, Okta, MySQL, Postgres, Redshift, Grafana, Elasticsearch, AWS;

Agoda Services Co., Ltd.

Bangkok, Thailand

Software Engineer (Full time)

Jun 2019 - Dec 2021

Project: Pricing service

- Enhanced performance by optimizing price calculations, resulting in a 5% reduction in machine requirements, and by improving filter algorithms, leading to a 7% overall performance improvement.
- Implemented a debug flow for large-scale price calculations.
- Ensured consistent coding standards across shared repositories.
- **Technologies:** Scala, gRPC, RestAPIs, GraphQL, Docker, Kubernetes, Private Cloud, MSSQL, GitHub, Gitlab, ELK, Grafana;

Project: Partner integration service

- Produced specifications and determine operational feasibility.
- Integrated partners APIs into a fully functional software system.
- Reviewed the design to improvement of a code base that is over seven years old.
- **Technologies:** Scala, Kafka Stream, Docker, Private Cloud, MSSQL, GitHub, Teamcity, ELK, Grafana;

PROJECTS

Kcws-js (kc-workspace/kcws-js)

Personal library

Jun 2020 - Present

- Implemented Typescript monorepo libraries for my personal and professional use.
- Used RushJS to manage the monorepo.
- Set up CI/CD on GitHub Actions.
- Maintained code coverage at least 95% of all time.
- **Technologies:** Typescript/Javascript, RushJS, SCSS, ESLint, Prettier, TSDocs, Commitlint;

Smart home infrastructure

Personal project

Nov 2022 - Present

- Implemented automations, scenes, and devices for controls in UI.
- Set up automatic deployment and rollback with GitHub Actions and Kubernetes.
- Enabled control of smart devices from an external network using Cloudflare VPN.
- Hosted on three Raspberry Pi 4s and one Raspberry Pi 5 cluster.
- **Technologies:** Home assistant, Kubernetes, Cloudflare, InfluxDB, Postgres, Grafana;

Personal website (kamontat/kamontat)

Personal project

Aug 2020 - Nov 2020

- Developed using Gatsby as the Frontend framework.
- Integrated with Contentful as a CMS.
- Deployed to Netlify with CDN and caching support.
- **Technologies:** Typescript, Gatsby, Contentful, GraphQL;

EDUCATION

Kasetsart University

Bangkok, Thailand

Bachelor of Engineer - BE, Software and Knowledge Engineer

Aug 2015 - May 2019

SKILLS

Languages

Typescript/Javascript, GoLang, Shell script, React, Svelte, HTML5, CSS/SCSS, Java, Scala

Frameworks

NextJS, Gatsby, SvelteKit, Tailwind, Bulma, Bootstrap, Spring boot

Platforms

MacOS, Linux, AWS, Heroku, Digital Ocean, Okta, Keycloak, Kafka, ELK, Prometheus, Grafana

Development tools

GitHub, GitHub Actions, Gitlab, Jira, Confluence, Sonarqube