

Suresh Surkheti

Software Engineer

surkhetisuresh123@gmail.com 090-4200-5405 Oita, Japan github.com/SureshSurkheti
linkedin.com/in/sureshsurkheti



SUMMARY

Software engineer with 4 years across Nepal and Japan. Currently a contract engineer at OEC Co., Ltd. in Oita, Japan, delivering web platforms for Japanese municipalities and enterprise clients — Vue, Nuxt and TypeScript on the front end, Python and FastAPI behind it, deployed on AWS with Terraform and Docker.

EXPERIENCE

Software Engineer · Contract

OEC Co., Ltd. · Oita, Japan · April 2024 – Present

- Delivered 12+ projects for Japanese municipalities and enterprise clients, spanning GIS portals, asset management, citizen apps and multi-district voucher systems.
- Developed front ends in Vue.js, Nuxt.js and TypeScript with Tailwind, Vuetify and Pinia; backends in Python and FastAPI.
- Deployed and maintained these services on AWS — VPC, ECS/Fargate, Lambda, RDS, DynamoDB, S3, CloudFront and API Gateway — provisioned with Terraform and Docker.
- Worked to public-sector data and security requirements using IAM boundaries, KMS, Cognito and Secrets Manager.
- Wrote end-to-end coverage with Playwright and unit tests with Pytest.

Intern → Junior Python Developer

Prabidhi Labs · Nepal · August 2022 – January 2024

- Contributed to client projects as a junior Python developer.
- Built REST APIs with Django and Django REST Framework.
- Developed mobile applications in React Native and web front ends in HTML, CSS and Bootstrap.
- Worked with Figma for design handoff and Git for version control.

TECHNICAL SKILLS

Frontend: **Backend:** Python, FastAPI, Django, REST APIs

JavaScript,
TypeScript,
Vue.js, Nuxt.js,
Next.js, Svelte,
Tailwind CSS,
Vuetify, Pinia

Cloud & Databases: MySQL, PostgreSQL, DynamoDB

Infrastructure:

AWS (VPC,
Route 53,
CloudFront,
WAF, EC2,
ACM, ECS,
Fargate, S3,
Lambda, RDS,
DynamoDB,
IAM, KMS,
Secrets
Manager,
Cognito,

CloudWatch,
API Gateway),
Terraform,
Docker

Testing: **Mobile:** Objective-C, Xcode, React Native
Playwright,
Pytest

EDUCATION

BE in Information Technology (BEIT)

Everest Engineering College, Sanepa, Lalitpur · Pokhara University · 2017 – 2022

SELECTED PROJECTS

Civil Land Regulation & GIS Portal · Regional Japanese prefecture · Full-Stack Engineer

GIS and public safety portal monitoring land-use and embankment safety regulations, with isolated network layers meeting public-sector data standards. *FastAPI, Vue.js, Nuxt.js, Vuetify, Terraform, Docker · VPC, EC2, S3, RDS, CloudWatch, IAM*

Enterprise Asset Management Platform · Major domestic conglomerate · Frontend Developer

High-availability equipment tracking and asset lifecycle system consolidating scattered inventory workflows into a single dashboard. *JavaScript, Vue.js, Pinia, Tailwind*

Mapping & Geolocation Engine · Tier-1 Japanese mapping corporation · Full-Stack Engineer

Core management engine moving spatial data pipelines onto containerised microservices. *Vue.js, TypeScript, FastAPI, Tailwind, Terraform, Docker · Cognito, S3, DynamoDB*

Municipal Voucher Issuance System · Consortium of 4+ municipalities · Full-Stack Engineer

Multi-tenant digital gift voucher platform securing high-volume ledger transactions with managed cryptographic keys. *TypeScript, Vue.js, Nuxt.js, Pinia, Tailwind · VPC, RDS, ELB, CloudWatch, KMS, ACM*

Smart City Citizen App · Municipal Japanese government body · iOS Developer

Official iOS client for a city-wide smart-city app, with local caching keeping civic calendars and event listings readable offline. *Objective-C, Xcode, iOS SDK*

Community & Volunteer Platform · Prefectural social initiatives office · Full-Stack Engineer

Volunteer recruitment and community coordination portal for a regional prefecture, with SEO-focused public pages and access-scoped private records. *Vue.js, FastAPI, Terraform, Docker · Cognito, IAM, S3, DynamoDB*

Office Equipment Tracking Tool · Administrative office network · Full-Stack Developer

Internal logistics tool logging office supplies and IT equipment across several workspaces. *TypeScript, JavaScript, Vue.js, Terraform, Docker · DynamoDB*

NTC Intercom App · NTC · Frontend Developer

Intercom web application built in Svelte. *Svelte, JavaScript*

PERSONAL PROJECTS

Nepal-Oita Community · nepaloitacommunity.com

Live community site for Nepalis in Oita and Beppu — events, notices and local guidance. *Next.js, TypeScript, PL/pgSQL, Shell*

Other personal work · github.com/SureshSurkhedi

Django blog with a Makefile publish flow, a no-framework portfolio in plain HTML/CSS/JS, and learning builds in Vue and Nuxt — plus ollama-local-mcp, a local MCP server for Ollama. *Python, Django, Vue, Nuxt.js, JavaScript*