

## TECHNICAL SKILLS

**Backend:** Python (Django, DRF) • PostgreSQL • REST API design • data modeling • authentication & authorization (JWT, permissions, RBAC) • security best practices (CORS/CSRF, HTTPS/HSTS) • Stripe subscriptions & webhooks external integrations (Klaviyo, Google APIs) • testing (Pytest, Django TestCase) • cloud storage (DigitalOcean Spaces, Cloudinary) • validation • error handling • logging • performance optimization

**Frontend:** React • TypeScript • Vite • React Router • Axios (auth interceptors, typed client) • state management (Context + custom hooks) • async flows • form validation & UX error states • responsive UI • real-time UX (timers, polling) • Google Maps JS API • Bootstrap

**DevOps/Tools:** Docker • DigitalOcean App Platform • Heroku • Google Cloud • CI/CD (GitHub Actions) automated deployments • environment & secrets management • secure production configuration (CORS, CSRF, HTTPS, HSTS) • build pipelines • cloud storage integration

## EXPERIENCE (PROJECT-BASED)

### Founder & Fullstack Developer - Gurudo Geo

[GitHub Repo \(frontend\)](#)

[GitHub Repo \(backend\)](#)

React, TypeScript, Django REST, PostgreSQL, Stripe, Klaviyo, DigitalOcean

Geolocation-based employee time-tracking platform with per-seat billing and employer dashboards - designed and implemented end-to-end.

#### Backend:

- Designed full API architecture (workplaces, employees, sessions, billing, auth).
- Built geolocation validation engine (distance calculation, 100m radius enforcement).
- Implemented Stripe subscription system (checkout sessions, per-seat billing, webhook processing).
- Integrated Klaviyo event system for onboarding and lifecycle automation.
- Added JWT authentication with role permissions (employer/employee).
- Implemented PDF monthly reports, aggregated analytics endpoints.
- Wrote automated backend tests using pytest and Django TestCase.
- Implemented custom DRF permission classes for role-based and object-level access (employer/employee separation).
- Applied strong security configuration: CORS/CSRF policies, secure cookies, HTTPS enforcement, HSTS, and restricted allowed hosts.

#### Frontend:

- Implemented a typed Axios API client with JWT Authorization injection and automatic token refresh via interceptors.
- Built role-based routing with React Router v6 and a custom ProtectedRoute enforcing employer/employee access rules.
- Structured the app around multiple React Context providers (Auth, UserProfile, Subscription, Toast) with custom hooks for global state.
- Designed real-time UX patterns: active session polling, timers, live state updates.
- Added robust geolocation UX: validation, fallback flows, coordinate-based error handling.
- Integrated Google Maps JavaScript API via [@vis.gl/react-google-maps](https://vis.gl/react-google-maps).
- Implemented timezone-aware logic using moment-timezone.

#### DevOps:

- Deployment of frontend and backend on DigitalOcean.
- Secure environment configuration for Stripe/Klaviyo/JWT.
- Cloud storage integration.

### Backend Developer — Personal Expense Tracker

[GitHub Repo](#)

Python, Google Sheets API, Heroku

A Python CLI application for managing expenses stored in Google Sheets with automated validation and analytics.

- Implemented CLI architecture with modular workflows and input validation rules.
- Built features for adding/editing expenses, year/month summaries and multi-year comparison.
- Integrated Google Sheets API using service account authentication.
- Ensured PEP8 compliance and complete manual testing across logic paths.
- Deployed on Heroku with environment configuration.

### Full-Stack Developer — Norton Inspiration

[GitHub Repo](#)

Django, PostgreSQL, Cloudinary, Bootstrap, Mailtrap

A moderated community app enabling user registration, login, post browsing and admin-approved comments.

- Developed Django backend: content models, media handling, admin approval workflows.
- Integrated Cloudinary for optimized media storage.
- Implemented 27-test suite (Django TestCase) covering posts, comments and permissions.
- Built responsive Bootstrap UI for browsing, forms and CRUD.
- Deployed on Heroku with PostgreSQL, Cloudinary and Mailtrap configuration.
- Designed admin-moderated workflows using DRF permissions and serializer validation.

## EDUCATION

Full-Stack Software Development Program - Code Institute  
Bachelor's Degree - University of Gdansk

## LANGUAGE