

Albert Li

Senior Software Engineer

Python · Backend · SaaS · Cloud · AI
Ukraine · Remote (EU/US)

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SUMMARY

Senior Software Engineer with 10+ years of experience building scalable backend systems, production APIs, event-driven services, and cloud-based SaaS platforms. Led and designed 11+ technical and team initiatives across backend architecture, applied AI, integrations, automation, and engineering modernization. Known for taking ownership in ambiguous environments and translating complex technical problems into practical production solutions. Led teams of up to 12 contributors and partnered with engineering, product, and business stakeholders throughout the delivery lifecycle.

SKILLS

Backend: Python, Django, DRF, FastAPI, Flask, Scrappy, Celery

Cloud & Infrastructure: AWS, Docker, Linux, Ansible, systemd

Databases & Messaging: PostgreSQL, MySQL, MongoDB, Redis, RabbitMQ, Amazon SQS

Architecture & APIs: REST APIs, API Design & Integration, OAuth

CI/CD & Testing: Jenkins, GitHub Actions, Pytest, Cypress, Selenium

AI / Computer Vision / Data : spaCy, OpenCV, YOLO, PyTorch, AWS SageMaker, Pandas

Tools & Frontend: Git, GitHub, GitLab, Sentry, New Relic, GitHub Copilot, JavaScript, React.js

WORK EXPERIENCE

Senior Software Engineer | Global Payments

Mar 2023 – Present

Global Payments is a Fortune 500 payment technology company with 10,001+ employees, managing trillions in payment volume and billions of transactions across 175+ countries.

- Reduced initial store setup effort by **50%**, from **up to 40 to 20 engineer-hours per store**, and eliminated ongoing manual recalibration support by leading the architecture, R&D, and implementation of an automated Python calibration platform.
- Improved the maintainability and modularity of a core Python module by mentoring **3 engineers** to eliminate duplicated logic and isolate proprietary components for a patent application.
- Accelerated PR approvals and increased automated test coverage from **10% to 34%** by replacing the legacy test structure with a unified, scalable pytest-based CI foundation designed for continued test expansion.
- Reduced missed vehicle detections by approximately **77%**, from **22 to 5 per 100 vehicles**, by using larger models to generate higher-quality training data and integrating the updated detector into the production Python computer vision pipeline.

Senior Software Engineer | Ambition

Feb 2022 – Mar 2023

Ambition - SaaS platform used by enterprise customers including Zoom, Verizon and ADP

- Integrated **Seismic** into the SaaS platform, enabling sales teams to access customer engagement content and insights directly within existing CRM workflows.
- Implemented **OAuth authentication** and secure API authorization for Salesforce integrations, strengthening application security across CRM-facing services.
- Reduced regression risk and increased release confidence by delivering customer-facing CRM features with comprehensive end-to-end test coverage.

Python Developer | Levi9

Nov 2019 – Jan 2022

IT services company delivering custom software for enterprise clients across multiple industries.

- Led architecture, design, and implementation of a REST API proxy layer for SAP-backed services, mentoring a junior engineer while collaborating cross-functionally to expose secure, reusable REST APIs for downstream applications.
- Built backend integrations for a retail promotion analytics platform, enabling business visualizations and forecast recommendations for enterprise users.
- Modernized and stabilized legacy Python/Django backend services, improving production reliability, maintainability, and long-term scalability.

Lead Developer | Touch Stay

Oct 2017 – Oct 2019

Travel technology company providing digital guidebooks for vacation rentals and hospitality.

- Owned end-to-end delivery of customer-facing backend features, translating business and product requirements into scalable software solutions.
- Recruited, onboarded, and mentored **2 software engineers** to expand delivery capacity, enabling weekly feature releases and rapid implementation of customer requests during a period of **2x revenue growth**.
- Led migration from a legacy server-rendered application to a decoupled REST API architecture, enabling independent frontend/backend development while improving scalability and long-term maintainability.

Python Developer | Wondermall

Nov 2016 – Oct 2017

Mobile commerce company providing a unified shopping app across multiple online stores.

- Built and maintained Python crawlers and web scrapers for multiple online retailers, improving data-ingestion reliability and keeping product prices, availability, and catalog information current across the Wondermall shopping platform.

Junior Python Developer | Religion Peace

Aug 2015 – Oct 2016

Interreligious nonprofit promoting peace through cooperation among diverse faith communities.

- Implemented Python application features and developed automated acceptance tests with Robot Framework, supporting reliable feature delivery and regression coverage.

EDUCATION

M.Sc., Electrical & Electronics Engineering (Renewable Energy)

Kyiv Polytechnic Institute | 2013

VOLUNTEER EXPERIENCE

Engineering Mentor — Mentored aspiring software engineers through mock interviews, technical coaching, and resume reviews.

Community Event Organizer — Organized large-scale mantra-yoga music events, coordinating volunteers, logistics, scheduling, and participant experience.