

Danir Tabys

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PROFILE

Software engineering team lead with 8+ years of experience building backend services, cloud infrastructure, and data platforms — including two years as a Software Engineer at Amazon Web Services. Track record of leading teams, owning service architecture, driving security and compliance (ISO 27001, SOC 2), and shipping scalable systems in Python (Django) and Java (Spring Boot) on AWS.

TECHNICAL SKILLS

Languages & Frameworks: Python (Django, Pydantic), Java (Spring Boot), SQL

Cloud & Infrastructure: AWS (Lambda, Kinesis, DynamoDB, Inspector, GuardDuty), Kubernetes, PostgreSQL, MongoDB

Security & Observability: ISO 27001, SOC 2, Auth0 (SSO, TOTP 2FA), ACL, Trivy, penetration testing, SigNoz, OpenTelemetry

Tools & Practices: CI/CD (GitHub Actions, Azure DevOps), Agile, code-quality gates (CodeGuru, Ruff, Flake8)

WORK EXPERIENCE

Remofirst ▪ Mountain View, CA, USA (remote)

05/2023 – Present

Software Engineering Team Lead

- Lead a team of 5 engineers (2 frontend, 2 backend, 1 QA), grown from 3 through hiring, owning security and infrastructure for a global employment platform operating in 185+ countries; run interviews, mentorship, performance reviews, and incident response.
- Drove ISO/IEC 27001:2022 and SOC 2 Type I & II certifications end-to-end, implementing the underlying security tooling (AWS Inspector, GuardDuty, Trivy), bi-yearly penetration tests, and continuous CVE patching.
- Built the platform's authentication and access stack: TOTP-based 2FA and SSO via Auth0 integration, self-service SSO configuration for enterprise clients, and granular ACL permissions.
- Launched a public OpenAPI enabling clients to integrate directly with the platform; built an internal logging service (Django signals, MongoDB) and improved observability with SigNoz and OpenTelemetry.
- Develop in Python/Django with an ongoing migration to Java Spring Boot; modernized infrastructure via Kubernetes and database upgrades and automated testing.

Caterpillar Inc. ▪ Chicago, IL, USA (contract, concurrent)

03/2024 – 01/2025

Senior Software Engineer

- Led the migration of 600+ data pipelines to a new pure-Python framework built from scratch, replacing the legacy system with a faster, more maintainable architecture.
- Designed a Pydantic-based parsing language for defining AWS data pipelines and data-quality rules, with rule versioning and utilization metrics for real-time visibility into pipeline health.
- Built, tested, and deployed with Python, AWS (Kinesis, DynamoDB, Data Lake), GitHub Actions, and Azure DevOps within a 5-engineer agile team on a 9-month engagement.

Petrel AI ▪ Almaty, Kazakhstan

02/2022 – 05/2023

Backend Developer

- Built a route optimization service (modified Dijkstra with real-time traffic data) to compute the most efficient delivery routes for drivers.
- Developed an end-to-end QR-based package retrieval system integrated with IoT-enabled smart postal boxes.
- Deployed Java Spring Boot services on AWS with Kubernetes and PostgreSQL, collaborating in a 20-person cross-functional team.

Amazon Web Services (AWS) ▪ Tempe, AZ, USA

08/2019 – 03/2021

Software Engineer

- Developed and optimized backend features in an agile, cross-functional team, improving service processing times.
- Maintained high code quality through thorough code reviews and unit testing, reducing post-release defects.

INTERNSHIPS

Amazon Web Services (AWS) — *Software Engineer Intern, Tempe, AZ*

05/2019 – 08/2019

- Shipped new application features and contributed to a scalable database design; converted to a full-time Software Engineer role.

PayPal — *Software Engineer Intern, Tempe, AZ*

05/2018 – 08/2018

- Developed and tested applications in Java and Python; built automated test scripts that reduced manual testing effort.

The New York Times — *Software Security Engineer Intern, New York, NY*

06/2016 – 09/2016

- Performed penetration testing, threat modeling, and secure code reviews on web applications.

EDUCATION

Arizona State University — M.S. in Computer Science ▪ Tempe, AZ, USA

Drexel University — B.S. in Computer Science ▪ Philadelphia, PA, USA