

Philip Toulinov

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Professional Summary

Software Engineer with 5+ years of experience spanning release engineering, full-stack development, and fintech product development. Proven track record leading biweekly release cycles, building CI/CD pipelines from scratch, and shipping 13 production-grade applications across fintech, civic AI, trading, and creative tech. Experienced working across DevOps, QA, and cross-functional teams to ensure zero-downtime deployments and high-availability infrastructure. Fluent in English, French, and Russian.

Professional Experience

LendingClub

Release Engineer

San Francisco, CA · Hybrid
December 2021 – October 2025

- **Led biweekly production releases end-to-end**, conducting dry runs on off-weeks to validate release readiness and catch regressions before deployment windows.
- **Onboarded new engineering teams onto CI/CD workflows**, delivering Jenkins job configuration, pipeline setup, and build process documentation to accelerate time-to-deployment.
- **Optimized CI/CD pipelines (GitHub Actions, Jenkins)**, reducing deployment times by 30% across pipelines supporting multiple engineering teams.
- **Spearheaded adoption of Playwright-based self-healing test automation**, building a learning test suite that adapted to UI changes and eliminated manual QA cycles for regressions previously caught only post-deploy.
- **Managed company-level deployment checks and release governance**, coordinating across teams to enforce standards and maintain release integrity.
- **Partnered with DevOps on infrastructure scaling using AWS EC2**, designing redundant systems and failover mechanisms to achieve zero-downtime deployments.
- **Integrated internal tooling into release workflows** to improve observability and incident response during production pushes.
- **Collaborated with cross-functional teams** on automated release processes, resulting in more reliable and continuous deployments.

Tech Mahindra

Software & Device Engineer

On-Site
September 2021 – December 2021

- **Executed comprehensive protocol conformance testing**, leading rigorous LTE/5G device lab protocol and RF RRM conformance tests using Keysight E7515B and Anritsu MD8430A to verify compliance with international standards.
- **Engineered automated test setups** using Rohde & Schwarz CMW500 and Keysight Nemo Indoor, reducing manual setup time by 25% and streamlining the overall testing process.
- **Optimized debugging & device performance** using Lauterbach Trace32 on Qualcomm Snapdragon platforms, enabling rapid identification and resolution of performance bottlenecks.
- **Championed cross-functional knowledge sharing**, leading monthly training sessions on branching strategies using Git and JIRA, improving collaboration and code quality.

Catalina USA

Software Engineer Intern

Remote
June 2020 – September 2020

- **Automated integration, acceptance, and regression testing** using Selenium WebDriver and JUnit.
- **Streamlined CI/CD** by initiating and troubleshooting Continuous Delivery builds in Jenkins, integrated with JIRA.
- **Implemented Infrastructure as Code**, deploying Docker and Jenkins solutions to support continuous integration and deployment.
- **Ensured code quality adherence** to design standards and optimised JIRA integration with version control and build automation tools.

Independent Work

Independent Full-Stack Developer Engineer & Builder

San Francisco, CA
October 2025 – Present

Designed, built, and shipped 13 production applications across fintech, civic data, algorithmic trading, AI tooling, and developer tooling — operated independently end-to-end.

- **Architected and deployed a production P2P lending platform** handling the full loan lifecycle — borrower/lender matching, loan issuance, repayment tracking, and default management — across a multi-role user system.
- **Built real-time on-chain payment monitoring in Python** detecting and crediting USDC/USDT on Solana/TON chain, integrating wallet events into the lending flow without manual reconciliation.
- **Designed a React/JSX admin dashboard** with IP intelligence, risk ops, identity graph visualization, and wallet analysis screens for fraud detection and user risk scoring; backed by Flask REST API and MongoDB.
- **Built a multi-provider AI infrastructure monitoring service** polling 11 providers into Postgres, surfacing uptime history via inline SVG with 99.90% tracked uptime across the fleet.
- **Developed an algorithmic trading stack wired to Hyperliquid** with a REST/WS control UI and backtests persisted to Feather, achieving 65% win rate across 26 live dry-run trades.
- **Built real-time odds reconciliation platform** consuming two live feeds over Chrome DevTools Protocol, processing 30 ticks/minute into inline-SVG dashboards.
- **Built an installable PWA presenting a 150+ work art catalogue as a scrolling timeline**, backed by a Python pipeline that generates AI cinemagraphs from static images.
- **Shipped 5 civic data applications over live DataSF APIs**, mapping 198K+ street trees, 2,118 film locations, displacement-risk permits, and publicly-owed rooftop spaces; one integrates an LLM agent querying 658 live datasets and streaming prose, charts, and maps from plain-English questions.
- **Engineered a next-gen MV3 Chrome userscript manager** on the sanctioned userScripts API — delivering full GM_* compatibility where competing extensions lost MV3 support, with an AI script-generation copilot, visual interaction recorder, per-script trust scoring, and a time-travel debugger.
- **Built a privacy-focused MV3 cookie/tracker inspector** analyzing 79 sites, surfacing 1,228 trackers with company attribution and local-only analysis.

Education

Cal Poly Humboldt · Arcata, CA

Bachelor of Science in Computer Science, May 2021

Lycée Français La Pérouse · San Francisco, CA

Diplôme D'études Secondaires

Languages: English (native), French (fluent), Russian (fluent)

Technical Skills

Languages: Python, JavaScript, Java, C++

Frameworks & Libraries: Flask, React/JSX, React/Vite, Node.js, Express, Selenium, JUnit, Pytest, Playwright, Mabl, Maven, Gradle

Blockchain & Web3: TON Blockchain, USDT/Jetton, on-chain wallet event monitoring, Solana

Databases: MongoDB, PostgreSQL, SQL, Redis, Feather

Mapping & Visualization: MapLibre, deck.gl, inline SVG, Chrome DevTools Protocol

DevOps & Cloud: Docker, Terraform, AWS EC2, Kubernetes, Jenkins, GitHub Actions, GitLab CI/CD, Railway

Version Control: Git, GitHub, GitLab