

# Iuliu Pop

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## PROFILE

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Full-stack software engineer shipping AI products in production. At Pixee I build Resolution Center, an agentic AppSec remediation platform used by enterprise customers including NTT and global banks. I've built LLM applications since the first production wave of generative AI: tool-using agents, LLM evals, and the product engineering that keeps them reliable in enterprise environments.

## PROFESSIONAL EXPERIENCE

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12/2023 – Present  
Remote

### Frontend Developer, *Pixee* [🔗](#)

- Led the rebuild of Resolution Center 2.0, Pixee's primary security-remediation workspace. Shipped a scan-centric workspace (findings table, triage/fix drawers, quick views, filters) on new scan-centric APIs, migrating the product off its analysis-centric model. (Company "northstar" priority.)
- Built the new user-platform REST API with GitHub OAuth/OIDC on Pixee Enterprise Server (Java/Quarkus). Authorization-code flow via quarkus-oidc, enabling single-tenant on-prem deployment for NTT and the SPA's migration off tRPC.
- Co-led PR Refresh across all four SCMs (GitHub, GitLab, Bitbucket, Azure). Designed and decomposed a 13-issue MVP to update or close stale fix PRs on re-scan instead of flooding repos with duplicates (release 5.8).
- Shipped one-click CSV/JSON finding export (P0) honoring live filter state, unblocking a Tier-1 banking customer.
- Eliminated N+1 query patterns in the findings/scans data layer, replacing ~11 calls per page-load with embedded-results / scan-based endpoints.
- Drove the app-wide rebrand to GA ("Foundations 2.0" design system) and hardened the design system (Storybook MDX to design tokens).

05/2023 – 12/2023  
Waterloo, Ontario

### Co-Founder & Software Engineer, *Sparkcraft* [🔗](#)

- Co-founded an agentic AI software agency with two University of Waterloo graduates, building LLM-powered applications for clients through 2023's first wave of production LLM apps.
- Designed and built an agentic AI assistant for the City of Waterloo, a tool-using system over municipal information that could take actions and chain multi-step workflows, developed and demonstrated as part of a competitive bid for a larger municipal engagement.

09/2022 – 05/2023  
Remote

### Software Developer, *Pixee* [🔗](#)

- Co-developed user platform React SPA for onboarding users to the GitHub app and viewing app activity on AWS using Serverless Stack (SST)
- Configured GitHub OAuth sign-in on AWS Cognito identity pools using custom OIDC provider
- Instrumented serverless architecture composed of API Gateway, Lambda functions and SQS queues with OTel instrumentation to output traces

01/2022 – 05/2022  
Remote

### Co-creator, Software Engineer, *Hypha* [🔗](#)

- Created Hypha, an open-source observability tool that makes debugging distributed systems easier by correlating logs and traces in a single tool
- Built a telemetry data pipeline for generating (OpenTelemetry), processing (OTel Collector, Jaeger, Loki), storing (Elasticsearch & MinIO), and visualizing (Grafana) logs and traces
- Led front-end development of a simplified user interface that wraps Grafana using React
- Developed Hypha Agent script to automatically install and configure OTel Collector to collect logs and traces
- Containerized backend services using Docker (network, images, docker-compose)
- Automated deployment to AWS ECS on Fargate with Docker Compose ECS integration

## SELECTED APPLIED AI WORK

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- Prototyped a maintainer-memory code-review agent (Mastra.ai) that accumulates reviewer feedback over time and applies it to deliver adversarial, senior-engineer-style code reviews.
- Built evals for a client's LLM app for working through personal problems, scoring responses on quality and fit to keep the app reliable for live, in-person workshops.

## EDUCATION

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2020 – 2021

### Software Engineering, *Launch School*

Multi-year full-stack software engineering curriculum. Emphasizes taking the slow path to master programming fundamentals - <https://launchschool.com/employers> [🔗](#)