

Kiruthik Sai

(215)452-9004 | bkkiruthiksai@gmail.com | kiruthiksai.com | Open to Relocation

EXPERIENCE

Moberg Analytics

Mar 2022 – Sep 2022 (Co-op), Aug 2023 – Present

Software Engineer, AI Platform & Infrastructure

Philadelphia, PA

- Shipped releases 6x more often and removed manual deployment errors by building production CI/CD across Kubernetes, IMB Cloud, Docker, Terraform, HashiCorp Vault and Bitbucket Pipelines, turning a multi-step manual release into a one-command, fully reproducible deploy
- Cut debugging turnaround on CI failures by building an LLM triage service (Python/FastAPI, Anthropic API) invoked from Jenkins post-failure hooks, returning schema-validated root-cause summaries and failure classifications straight to the originating PR
- Replaced 8+ hours of manual V&V per release with automated, audit-traceable testing by building a Playwright/TypeScript E2E framework for an FDA 510(k) React medical-device dashboard, plus a Node reporter that parses Playwright JSON and POSTs to a compliance REST API to auto-generate per-commit test runs linked back to requirements
- Cut mean incident response time 35% (40 to 26 min) and monthly downtime 20% (5 to 4 hrs) by building Prometheus/Grafana metrics, tracing, and real-time alerting across containerized production services

iPipeline Inc

Mar 2021 – Sep 2021

Software Engineer Co-op

Philadelphia, PA

- Saved the dev team 10+ hours per week of manual task management by building a Python FastAPI service that wired GitHub webhooks to JIRA over REST, auto-creating tasks, pushing status updates, and linking pull requests to their JIRA issues

Agilent Technologies

Sep 2019 – Mar 2020

Software Engineer Co-op

Wilmington, DE

- Improved average API response time by 35% (400ms to 220ms) and lifted throughput 25% by adding caching and refactoring slow database queries on backend REST endpoints

PROJECTS

Street FC | Full-Stack Developer

New York City, NY

- Drove 500K+ page visits in under 6 months and cut bounce rate from 71% to 31% by rebuilding Streetfc.com as a full-stack TypeScript platform on GCP (Cloud Run, Cloud SQL for PostgreSQL, Firebase Auth) with an LLM-driven agent that automates geo-based waitlist onboarding and city-expansion triggers
- Powered court and operations expansion to 4+ new cities across the US and a Shark Tank feature by building a readiness engine that mined signup data to filter high-potential markets, auto-triggered follow-ups to warm leads, and greenlit launches once a city hit critical density

Dukaan | Lead Developer

Philadelphia, PA

- Developed and scaled a mobile grocery delivery platform (React Native, Node.js) to 500+ users and \$10K revenue with 100% MoM growth, integrating Firebase, Stripe, and DoorDash APIs for backend, payments, and delivery operations

Hygia | Winner - Best Student Team Award

Philly Codefest - 2022

Osiris | Winner - Best Overall, Best Environmental Hack

DragonHacks - 2022

Blindfold | Winner - Best Education Hack, Bloomberg LP

UMD Bitcamp - 2019

EDUCATION

Drexel University

Philadelphia, PA

Bachelor of Science in Computer Science

June 2023

Concentration in AI, Machine Learning, and Computer Graphics

TECHNICAL SKILLS

AI/LLM: Anthropic API, OpenAI API, prompt engineering, structured outputs, function calling / tool use, RAG, agent orchestration, evals, guardrails (input validation, output filtering, prompt-injection defense)

Languages: Python, TypeScript, JavaScript, SQL, Bash

Backend & Data: FastAPI, Node.js, Next.js, React, async API design, REST, PostgreSQL, Redis, BigQuery

Cloud & Infra: GCP (Cloud Run, Cloud SQL), AWS (EKS, ECR), Kubernetes, Docker, Terraform, HashiCorp Vault, Jenkins, Bitbucket Pipelines, CI/CD, Prometheus, Grafana