

# Frankie Ottomanelli

Senior Full Stack Engineer | AI Developer Experience | TypeScript, React, Python  
NYC Metro Area · [frankie.ottomanelli@gmail.com](mailto:frankie.ottomanelli@gmail.com) · [www.ottomaneli.li](http://www.ottomaneli.li)

## PROFESSIONAL SUMMARY

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SENIOR FULL STACK ENGINEER WITH 10+ YEARS OF EXPERIENCE BUILDING SCALABLE WEB APPLICATIONS, INTERNAL PLATFORMS, AND DEVELOPER TOOLING ACROSS HEALTH TECH, FINTECH, GAMING, AND ECOMMERCE. STRONG TRACK RECORD OF LEADING CROSS-FUNCTIONAL INITIATIVES AND DELIVERING MEASURABLE BUSINESS IMPACT WITH TYPESCRIPT, REACT, PYTHON, AND MODERN BACKEND SYSTEMS. RECENT WORK HAS FOCUSED ON AI-POWERED DEVELOPER EXPERIENCE, WORKFLOW AUTOMATION, AND AGENT-BASED ENGINEERING TOOLING.

## PROFESSIONAL EXPERIENCE

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### GROW THERAPY ([GROWTHERAPY.COM](http://GROWTHERAPY.COM)) - MENTAL HEALTH TECHNOLOGY STARTUP

(HYBRID) New York, NY

#### AI Developer Experience Engineer

February 2026 - Present

- Designed and shipped CI Investigator, an autonomous agent built on the Claude Code SDK that diagnoses CI/CD failures, analyzes logs and repository context, and posts root-cause summaries to Slack and pull requests, saving engineers 1–5 hours per week.
- Built an AI-powered PR reviewer that evaluates changes using full-repository context rather than only diffs, improving review quality and increasing developer adoption through iterative workflow and feedback improvements.
- Developed the grow-scripts convention, pairing deterministic scripts with LLM orchestration to create repeatable, production-friendly AI workflows adopted within the team's shared AI toolkit.
- Prototyped a repo-agnostic Coding Bot capable of cloning repositories, loading per-repo configuration, implementing fixes, and opening pull requests, helping define the foundation for broader engineering automation.
- Partnered directly with product engineering teams to identify workflow bottlenecks, drive adoption of AI tooling, and shape patterns for reusable agent-based workflows across CI/CD and code review.

### Senior Full Stack Developer (*TypeScript, React, Python, Flask, GraphQL, Postgres*)

SEPTEMBER 2024 - Present

- Rebuilt key parts of the invoice-submission validation pipeline and hardened error handling, contributing to a 36% reduction in insurance-claim denials (11% to 7%) and improving payor compliance.
- Developed data-driven "Nudge" logic that evaluates mental health measures (e.g., GAD-7, PHQ-9) against product-defined thresholds, scoring new and historical results to trigger timely notifications for therapists.
- Designed and led development of a session time edit request workflow and admin dashboard that centralized approval data, created the audit trail required for payor compliance, and simplified the correction process for providers, reducing support turnaround time from multiple days to hours.
- Secured form submissions by implementing encryption, migrating unencrypted data, and establishing workflows for authorized decryption and analysis by the data team.
- Designed real-time dashboards for invoice volume, validation errors, and processing latency, and created alerting rules that flagged abnormal spikes in invoice and validation failure rates, reducing anomaly detection time from hours to minutes.

### SEEDS ([SEEDSINVESTOR.COM](http://SEEDSINVESTOR.COM)) - FINTECH STARTUP

Remote

#### Senior Full Stack Developer (*TypeScript, React, Python, Django, Postgres*)

April 2023 - September 2024

- Ran a full-stack codebase audit, uncovering critical security gaps and performance bottlenecks; delivered a remediation roadmap that cut response times by up to 75% and removed all high-severity vulnerabilities.
- Designed and implemented multi-account support for an existing investment platform, enabling aggregated and account-level portfolio views and building weighted-value calculations across profiles, individual accounts, and total balances.
- Orchestrated the development and launch of strategic features by designing robust database schemas and RESTful endpoints, employing dependency injection for maintainability and testing.

ROCKSTAR GAMES ([ROCKSTARGAMES.COM](https://rockstargames.com)) - VIDEO GAMES

(HYBRID) New York, NY

Full Stack Developer (TypeScript, React, C#, .NET, SQL Server)

November 2019 - April 2023

- Built internal C#/TypeScript applications supporting major Rockstar titles, enhancing player progression and economy features and improving player engagement.
- Redesigned the player engagement application to leverage real-time analytics, improving the timeliness and relevance of in-game marketing campaigns.
- Built a shared React component library to standardize UI patterns across internal applications.
- Designed consolidated SQL data solutions to unify disparate datasets, streamlining marketing efforts and cross-platform analytics.

J. CREW ([JCREW.COM](https://jcrew.com)) - ECOMMERCE

(ON SITE) New York, NY

Jr Developer to Senior Developer & Tech Lead (React, Node.js, Express.js, Next.js)

AUGUST 2015 - November 2019

- Spearheaded the modernization of browsing and checkout processes, refactoring legacy code and introducing new features with React, Next.js, and GraphQL.
- Managed a team of three developers, overseeing the overhaul of shared UI components and building a bespoke CMS for streamlined content management.
- Championed site performance optimization, improving site speed and user satisfaction.

## EDUCATION

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MARIST UNIVERSITY

Poughkeepsie, New York

Double Major: Psychology and Public Relations

2009-2013

## TECHNICAL SKILLS

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- **Languages:** JavaScript, TypeScript, Python, C#, SQL
- **Frontend:** React, Next.js, Redux, MUI, HTML, CSS
- **Backend:** Node.js, Express, Flask, Django, GraphQL, REST APIs
- **Data & Storage:** Postgres, SQL Server, MongoDB, Redis, Snowflake
- **Testing / Tooling:** Jest, React Testing Library, Webpack, TeamCity
- **Infrastructure:** AWS, Docker, NGINX, Apache, Git, Perforce

## PROJECTS

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### Prosper Automated Investing | Developer

- Built an automated investing tool in Node.js for Prosper loans that evaluates nearly 200 data points to automate loan selection and reinvestment; the private strategy built on top of it has generated a 7% annualized return since June 2022.

### Turto | Founder / Developer (03/2023 - 09/2024)

- Built and launched a free ETF comparison platform that enabled users to analyze fund overlap and weighted portfolio exposure across holdings, reaching approximately 1,000 monthly unique users.