

# Collin King

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## **Work Experience**

### **WynHouse – Lead Software Engineer | Remote**

Nov 2023 – March 2025

- Led a team of 5 engineers in delivering fullstack web and mobile apps for external clients
- Promoted from Senior Software Engineer to Lead in Oct. 2024 based on leadership & communication responsibilities
- Integrated modern AI & ML models into applications to solve business problems
- Oversaw architectural decisions related to AWS & GCP environments, ensuring scalable, secure services with real-time alerting in cloud environments
- Developed & deployed cloud-based solutions for 12 clients in a fullstack development context  
Created mobile & web friendly applications using React, Next.js, & Chakra
- Facilitated deployment to app stores using expo for mobile deployment
- Managed client communications as the primary technical point of contact
- Tech: AWS (Amplify, Cognito, EC2, IoT, Lambda, S3, SQS), Chakra, CI/CD, Firebase, GCP, Jest, MySQL, Next.js, Node.js, React, Typescript

### **Capital One – Senior Software Engineer | Remote**

Jan 2023 – Nov 2023

- Oversaw backend development team focused on scalable solutions in Python for fraud detection
- Led backend development of fraud detection system identifying over \$400M in fraudulent transactions annually
- Designed & maintained AWS infrastructure, leveraging Lambda, SQS, EC2, & S3
- Owned technical roadmap, managed & prioritized backlog to align with business requirements
- Collaborated with product managers & stakeholders to gather technical requirements
- Managed 24/7 on-call rotation to ensure uptime & critical issue resolution
- Tech: AWS (S3, SQS, Lambda, EC2), CI/CD, MySQL, PyTest, Python

### **IntelliSurvey Inc. – Frontend Software Engineer | Remote**

Mar 2022 – Jan 2023

- Modernized existing web application to use Angular and Typescript
- Tech: Angular, Jasmine, Typescript

### **UPS – Intermediate Application Developer | Hybrid Louisville, KY**

Oct 2018 – Mar 2022

- Redesigned app with mobile-first approach to improve usability for fleet tracking in the field
- Built internal tools to support QA and product teams, enabling admins real-time diagnostics
- Selected to serve as team representative for cross-team initiative for shared resources & packages
- Tech: Angular, AWS (Lambda), CI/CD, GCP, Jasmine, Java, Material UI, Node.js, Spring Boot, Typescript

### **FacilityONE Technologies LLC – Co-Op Software Engineer | Louisville, KY**

Jan 2017 – Oct 2018

- Contributed to the development of a web-based SaaS platform and companion mobile apps
- Tech: Angular, CI/CD, Jasmine, PyTest, Python, Typescript

## **Education**

### **University of Louisville, Louisville, KY**

*Masters of Business Administration*

*Expected May 2026*

### **University of Louisville, Louisville, KY**

*Bachelors of Science in Computer Engineering & Computer Science*

*May 2019*

## **Summary of Skills**

- **Programming Languages:** Typescript, Javascript, HTML, CSS, Python, Java, C, C++, C#
- **Frameworks:** React, Next.js, Node.js, Angular, Spring Boot
- **Databases:** SQL – PostgreSQL, AWS RDS, MySQL, NoSQL – MongoDB & AWS DynamoDB
- **DevOps & Architecture:** Amazon Web Services (AWS), Google Cloud Platform (GCP), Continuous Integration / Continuous Delivery (CI/CD), Jenkins, Docker, expo
- **Testing:** Test Driven Development (TDD), Selenium, Jasmine, Jest, Cypress, PyTest, Junit
- **Other:** Chakra, Material UI, RESTful APIs setup & use, Agile & Scrum Methodologies, Microservice Architecture, Redux, Auth / SSO

## **Non-Work Experience**

### **Mathematics**

- Utilized Python to run recreational mathematic experiments focused on multiplicative-persistence of integers
- Published findings in the Online Encyclopedia of Integer Sequences (OEIS) at <https://oeis.org/A343403>

### **Voice Chat Bot**

- Developed a Discord bot with support for audio/video streaming and interactive text commands
- Integrated Discord and YouTube Apis; deployed solution on a dedicated server
- Tech: Node.js, Typescript

### **Python - Optical Character Recognition (OCR)**

- Built a proof-of-concept Python bot that played Pokémon FireRed using OCR-based emulator automation
- Program would play a subset of the game based on OCR text detection, with the goal of catching as many of a specific Pokémon as possible
- Tech: OCR (pytesseract), Python

### **Personal Website**

- Created and deployed [www.collinwithtwols.com](http://www.collinwithtwols.com), a lightweight Next.js site hosted on Vercel
- Tech: CI/CD, DNS, Next.js, Typescript, Vercel