

Rohan Arya

Full Stack Developer

EDUCATION

University of Illinois Urbana Champaign — *Bachelor of Science in Computer Science and Statistics*

Graduating December 2025

GPA: 3.7/4.0

Relevant Classes: Machine Learning Optimization, Algorithms, Computer Science II (Object Oriented Programming and Design), Data Structures, Discrete Structures, Computer Science I, Advanced Data Analysis

WORK EXPERIENCE

IBM — *Software Engineering CO-OP Intern*

February 2025 – Present

- Built a **RAG** model with **Python** and **Langchain** to summarize product release data for leadership which reduced decision making by one week
- Wrote a **Bash** script to automate test release upgrade testing which saved developers 3 days of manual effort
- Built data visualization dashboard using **Python**, **PostgreSQL**, and **React** for executives to track daily signups, active users, and user activity
- Built and deployed mock airline app for demonstration purposes for dependency management software using **Python**, **Java**, **MongoDB**, **Docker**, and **Locust**. Presented a stress test demo to executives on resiliency for dependency management software

Prismara — *Full Stack Developer*

December 2024 – February 2025

- Worked across stack on real estate lease parser using **Next.js**, **Typescript**, and **Tailwind CSS** for the frontend while using **Python** for the backend
- Utilized **Javascript** to create and consume RESTful services for seamless communication across the stack
- Used **Firebase** for authentication

ColomboAI — *Full Stack Developer*

August 2024 – December 2024

- Worked as part of a global team spanning the U.S and India
- Developed social media application using **Flutter** and **Dart** for mobile and **Next.js** and **Tailwind** for desktop
- Implemented authentication and user management features using **Firebase Authentication** boosting app security
- Wrote **unit tests** and **integration tests**, fixing bugs and documenting processes to augment productivity by **30%**
- Wrote **SQL** queries for handling large scale data models
- Utilized **Java** to create and consume **RESTful** services to communicate across the stack

Hatch Recruiting — *Full Stack Developer*

February 2023 – August 2024

- Implemented resume parsing algorithm in **Python** to extract and structure key information such as skills, education, and work experience from diverse resume formats reducing time to find a perfect candidate by **95%**
- Implemented 4 figmas weekly with **Next.js**, **React.js**, **Typescript**, **Tailwind**, and **CSS**
- Designed and built **DB endpoints** in **Python** and **Next.js**, with an **ORM** to ensure stateful user data storage
- Deployed backend server within **docker** container in **AWS EC2** instance to facilitate traffic between frontend and **PostgreSQL** improving efficiency by **12%**
- Wrote **SQL** queries to store user data within milliseconds in **AWS** supported backend
- Utilized **Java** to create and consume **RESTful** services to communicate across the stack

CONTACT

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[https://portfolio-git-main-](https://portfolio-git-main-zaxboops-projects.vercel.app)

[zaxboops-projects.vercel.app](https://portfolio-git-main-zaxboops-projects.vercel.app)

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[arya/](https://www.linkedin.com/in/rohan-arya/)

github.com/Zax-boop

U.S Citizen

ADDRESS

7825 Kelly Canyon Place

94568 Dublin, CA

SKILLS

Coding Languages

- Python
- Java
- React.js
- Next.js
- Typescript
- Tailwind CSS
- MySQL
- Javascript
- C++
- Flutter
- Dart

Software

- Github
- PostgreSQL
- MariaDB
- AWS
- Vercel
- Firebase
- Supabase
- Docker
- MongoDB
- Locust
- Swagger
- Terraform
- VS Code

LANGUAGES

- English, Native Proficiency
- Hindi, Working proficiency
- French, Working Proficiency
- ASL, Working Proficiency