

Arvin Poddar

Efficient and versatile full-stack software engineer with 4+ years of work experience

Atlanta, GA • arvin.poddar@gmail.com • arvinpoddar.com • US Citizen

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing

Masters of Computer Science in Computing Systems (IP) – GPA: 4.0

Bachelor of Science in Computer Science – GPA: 4.0

Atlanta, Georgia

Graduating Dec 2023

Graduated May 2022

EXPERIENCE

INFINITE GIVING

Lead Frontend Engineer

Atlanta, Georgia

May 2021 – Present

- Lead frontend engineer for Infinite Giving, a fintech startup that modernizes nonprofit investing and asset donations.
- Independently built platform frontend from ground up with Vue 3, spanning 28 pages and 225 components, to securely display and manage over \$16 million of assets across 17 U.S. states.
- Optimized platform caching and state management, dropping outgoing API requests by 30% and reducing total frontend code by 20%. Resulted in a faster, more secure product for clients.

AMAZON

Software Development Engineer Intern – Gift Cards Core Team

Seattle, Washington

May 2022 – Aug 2022

- Architected and built data migration service for Amazon's largest relational database, housing 6+ billion gift card records.
- Built data migration service with Java Spring, PostgreSQL, and AWS (DynamoDB, SQS).
- Researched and identified the cause of a one-in-a-billion microservice database bug that blocked accounting workflows for weeks. Presented proposed solutions to leadership and oversaw implementation.

Software Development Engineer Intern – Gift Cards Core Team

May 2021 – Aug 2021

- Integrated new GDPR-compliant location API into Amazon Cash store locator, serving 1+ million annual customers.
- Executed deployment of these integrations across 6 continents to Amazon's main site and mobile app.
- Built an in-house Amazon Cash store locator using Java Spring Boot, JavaScript, and AWS (DynamoDB, S3, Lambda).

GEORGIA INSTITUTE OF TECHNOLOGY - COLLEGE OF COMPUTING

Head Teaching Assistant for CS 1301 (Intro to Computing – Python)

Atlanta, Georgia

Aug 2019 – May 2022

- Managed 20+ TAs for a class of hundreds of students for 6 semesters. Responsible for mastery of Python.
- Supervised and led all course activities - recitations, homework, exams, and TA meetings.
- Reduced student plagiarism cases by 80% via autograder detection improvements and integrity education lectures.
- Built an office hours queuing kiosk and online homework editor to boost TA productivity and student learning.

AMERICAN EXPRESS

Technology Intern – Enterprise Architecture Group

Phoenix, Arizona

Jul 2020 – Aug 2020

- Developed a web platform for engineers to create and use custom Linux environments directly from a browser.
- Allowed engineers to create custom environments 93% faster, from 15+ minutes to less than 1 minute.
- Built platform frontend with React and REST API with Node/Express. Used Kubernetes to orchestrate Linux environments to auto-expire for optimal resource consumption.

COUNTABLE TECHNOLOGIES

Co-Founder and CTO

Atlanta, Georgia

Jan 2019 – Dec 2019

- Co-founded Countable, an analytics startup for retailers to gather foot traffic data via cellphone Wi-Fi signal sensors.
- Executed product rollout to several Atlanta retailers. Secured funding offers from Georgia Tech's Create-X program and Chris Klaus's venture capital fund. Won 1st Prize in Georgia Tech's Idea 2 Prototype showcase.
- Built sensor firmware and data analytics dashboard with Python, Vue, Docker, Linux bash scripts, and AWS.

SKILLS & AWARDS

Artwork: I've ran an Etsy store that sells 3D paper models since 2015, with 6,500+ sales across 120+ countries

Development: JavaScript, React JS, Vue JS, Python, Java, Typescript, GraphQL, HTML, CSS, Tailwind, C/C++, AWS, Quasar, Express, PHP, PostgreSQL, Git, Firebase, Docker

Awards: **Emory Global Health Institute & Georgia Tech COVID-19 Hackathon - 1st Prize Project (2021)**
Georgia Tech HackGT 6 - Best Overall User Interface & User Experience (2019)