

Dominic Arokiaraj

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EDUCATION

University of California, Santa Cruz

Santa Cruz, CA

Bachelor of Science in Computer Science

Dec 2025

Relevant Courses: Data Structures & Algorithms, Databases, Operating Systems, Analysis of Algorithms, Computer Architecture, Software Engineering, Software Design, Machine Learning

EXPERIENCE

iHerb

Jun 2025 - Sep 2025

Software Engineer Intern

Irvine, CA

- Developed **enterprise applications** with **C#** on **.NET** framework, ensuring **100%** adherence to specifications
- Migrated legacy systems to modern **.NET**, enabling **long-term support** and reducing **technical debt** by **35%**
- Deployed upgraded APIs to **Kubernetes** via Harness, fixing deployment blockers and raising **service uptime** by **25%**

Universal Audio (Sponsored Project)

Jan 2025 - Jun 2025

Software Engineer Intern

Scotts Valley, CA

- Led team to develop USB audio interface with **C++ microcontroller** firmware, enabling **4 channel** audio streaming
- Engineered accompanying **desktop app** in **C++ / JUCE** using **OOP** principles, providing **13** types of audio control
- Produced mixing / audio effects features using DSP algorithms, enabling users to apply effects with **< 1 ms** of latency

Ushur

Jun 2024 - Nov 2024

Software Engineer Intern

Santa Clara, CA

- Developed **frontend** component library of **50+** customizable variations with **React**, cutting UI building time by **30%**
- Built components / documentation with **TypeScript / Tailwind / Storybook.js**, accelerating integration by **15%**
- Delivered **UI** features by working **cross-functionally** with design team, securing **100%** accuracy to **UI/UX** blueprint

PROJECTS

Emerald | *Go, Cobra, Stripe API*

2025

- Devised **CLI** tool with **Go / Cobra** to verify bank accounts with **0** frontend dependencies and **0** 3rd-party logins
- Integrated **Stripe API** to initiate industry-standard verification using **ACH** micro-deposit flows in **< 10 seconds**

Safe Deposit (safedeposit.onrender.com) | *JavaScript, Node.js, Express.js, MongoDB Atlas, Render*

2025

- Created **web app** with **Node.js / Express.js**, providing secure file distribution and up to **1000** concurrent downloads
- Set up **CI/CD** workflow with **GitHub / Render** for auto-deploys, enabling updates within **1 minute** of every push

Bite Right | *TypeScript, HTML, CSS, NextJS, ClerkJS*

2024

- Collaborated with **Agile** team across **software development lifecycle** to develop **full-stack** app of **> 50000** recipes
- Implemented and integrated **React** components with **REST API** endpoints, improving page responsiveness by **25%**

Doc Service | *Python, Flask, AWS EC2*

2023

- Established **backend microservice** with **Python** to auto-fill / render PDFs, cutting manual data entry time by **75%**
- Wrote **unit tests** for PDF filling functionality with **Python unittest**, increasing test coverage to **95%**

Rule Service | *Python, Flask, AWS EC2*

2023

- Created Rules Engine **microservice** for natural language rule creation, saving **12** hours/week in manual configuration
- Designed JSON-based rule evaluation system with quick lookup time, reducing rule processing time by **20%**

TECHNICAL SKILLS

Languages: Python, Go, TypeScript, JavaScript, Java, C++, C#, HTML/CSS, SQL

Frameworks: Node.js, Express.js, React, Flask, .NET, Next.js, Tailwind CSS, Cobra

Developer Tools: Git, Linux, Docker, Kubernetes, AWS, PostgreSQL, MongoDB, Visual Studio Code

Interests: Fintech Applications, Machine Learning, Web Development, Mobile Applications, Cloud Computing