Arjun Ramanathan

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WORK EXPERIENCE

Affinity - San Francisco, California

Software Engineer II – Integrations   *June 2023 - Current*
- Led the development of an Affinity-Slack integration, enabling customers to send automated field change alerts to targeted Slack recipients, and to generate notes in Affinity directly through Slack.
- Developed a cost-efficient and robust Mailchimp integration, reducing reliance on third party tools like Tray.io.
- Refactored and modularized codebase to support 2 new integrations, improving maintainability and scalability.

Software Engineer – Integrations   *Jan 2022 - June 2023*
- Maintained and optimized Affinity's Tray.io integrations, improving reliability and performance.
- Implemented activity sync for Affinity's *Affinity for Salesforce* product offering, and improved the underlying infrastructure and data models behind the integration prior to going to market.
- Pioneered small improvements and feature work on Affinity's analytics offering and created an internal tool to chart usage data of Affinity's customers over several Looker instances.

Cisco Systems - San Jose, California

Software Engineer- Cisco IT Business to Business   *July 2020 - Dec 2021*
- Restructured commerce and configuration APIs from REST and SOAP protocols to a new GraphQL framework in order for partners to conduct commerce seamlessly and control data more easily.
- Developed new commerce functionality in Java with Spring Boot by utilizing existing services to carry out tasks such as product configuration validation within Cisco commerce.

Software Engineering Intern- Cisco IT New Product Introduction   *May 2019 - Aug 2019*
- Eliminated 30% of Cisco Commerce's client-filed support cases by using Java to implement an adaptive helper chatbot for Cisco Commerce's product configuration platform.
- Leveraged Google's Dialog Flow conversational AI platform and Cisco's MongoDB server data to ensure intelligent and modular chatbot responses spanning over several user query flows.

Software Engineering Intern- Cisco IT New Product Introduction   *May 2018 - Aug 2018*
- Developed the front-end using Angular 4 JavaScript for an internal commerce dashboard that allowed Cisco admins to add Bills of Materials to new and refurbished products.
- Automated data management in a backend MongoDB server via user triggered events on the dashboard in order to track the status of items and tasks to be modified by Cisco admins.

Apttus Corporation - San Mateo, California

Software Engineering Intern   *June 2017 - Aug 2017*
- Optimized Apttus cloud testing processes by using C# to automate Azure VM deployment in Apttus cloud.
- Used shell scripting to implement functionality that allowed for testing and maintenance programs to be run remotely on a virtual machine directly from a user's desktop.

EDUCATION

University of Michigan, Ann Arbor - College of Literature, Science, and the Arts

B.S. Computer Science, GPA: 3.343   *Sept 2016 - April 2020*
- **Relevant Coursework**: Data Structures and Algorithms, Web Systems, Introduction to Operating Systems, Computer Security, Introduction to Artificial Intelligence, Database Management Systems, Discrete Math.

TECHNICAL SKILLS

- **Languages -** Ruby, Python, C++, Java, Bash **Databases -** PostgreSQL, Redis, MongoDB **Tools -** AWS, Docker