Arjun Iyer

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TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, TypeScript, HTML,CSS, Terraform
- **Databases:** MySQL, MongoDB, DynamoDB
- **Cloud Services:** AWS (EC2, S3, Lambda)
- **Frameworks:** Spring Boot, Angular, React

PROFESSIONAL EXPERIENCE

THE HARTFORD

Associate Software Engineer   **June 2023-Present**

- Developed a microservice enabling teams to retrieve average annual loss data for winter storms, enhancing data accessibility and improving decision-making efficiency across departments.
- Enhanced the CAT Hub application by implementing bug fixes and front-end changes using Java, Spring Boot, and Angular, which resulted in improved functionality and user experience.
- Assisted in the migration of two Spring Boot REST microservices to AWS, contributing to enhanced scalability and performance.
- Conducted comprehensive testing with Karate, Selenium, and JUnit, achieving over 90% test coverage and ensuring high code quality, which contributed to a robust user experience.
- Led daily Kanban meetings to enhance team communication and collaboration, facilitating smoother project workflows.

Software Engineering Intern   **May 2022-June 2023**

- Developed and maintained unit tests for Archer APIs using JUnit, ensuring reliable system updates and contributing to overall system stability.
- Created Terraform configurations for AWS resource provisioning, supporting successful cloud migration efforts and enhancing scalability.
- Assisted in migrating APIs to AWS, utilizing S3 for log file management to improve log retrieval processes.

SUGAR PLUM SOFTWARE SOLUTIONS

Software Development Intern   **May 2021-August 2021**

- Contributed to the development of an AWS-hosted web application utilizing Node.js, React, and MongoDB, which integrated video hosting and e-commerce functionalities to enhance user engagement.
- Designed and implemented APIs for messaging, purchasing, and video features using Stripe and Vimeo APIs, which expanded platform capabilities and improved user experience.

PROJECTS

BETTR.MI

Technologies Used: Spring Boot, SQL Server, React   **October 2024-Present**

- Currently developing a full-stack diet application to track calories and macros and create personalized workout plans.
- Focused on backend development with plans for a user-friendly UI.

CHIP-8 EMULATOR

Technologies Used: Java, Spring   **August 2024-September 2024**

- Developed a Chip-8 emulator in Java to execute games and applications from the Chip-8 platform, demonstrating an understanding of CPU emulation, graphics rendering, and memory management.

PERSONAL PORTFOLIO

Technologies Used: React, HTML, CSS, JavaScript   **September 2024**

- Created a personal portfolio website using React to showcase projects, skills, and experiences, enhancing online visibility and presentation of work.

EDUCATION

UNIVERSITY OF CONNECTICUT   **Storrs, CT**

Bachelor of Science, Major in Computer Science; Concentration in Software Development and Design   **2020-2023**