Shiv Bhagat

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Objective

- I am a skilled and detail-oriented software engineer with experience in C++, Python, and React JS, as well as a full stack developer eager to learn new technologies. I am looking to use my background in aerospace software development to contribute to exciting projects.

SKILLS

Programming Languages: C++, Python, Swift
Technologies: HTML5, CSS5, React JS, Kubernetes
Tools: Git(GitHub), Microsoft Visual Studio Code, RStudio, MySQL Workbench, Microsoft SQL Server, JIRA, Confluence, BitBucket, Rhapsody, Beyond Compare, Collaborator
OS: Linux, Windows

Clearance:

- Active Government Interim Top Secret Clearance(Pending Full Top Secret Clearance)

EXPERIENCE

Raytheon | Software Engineer   *March 2023 – July 2024*

- Software development and enhancements for post-processing on the flight software simulation and Payload Digital simulation test bed for the observation satellite.
    - Developed an automated Python script to generate C++ code, significantly reducing generation time by 50%, and integrated the code into Rhapsody UML models.
    - Supported around-the-clock product testing in a secure lab. Specifically, a customer-mandated 72-hour lifecycle test.
    - Collaborated with developers and mentors to resolve critical test failures for customer deliveries.
    - Utilized Rhapsody, Beyond Compare, Collaborator, Git, and Microsoft Visual Studio for development tasks.
- Worked on an IRAD to develop a future business
    - Implemented Python scripts with the Pandas library for data format conversion, developed unit tests, and collaborated on code reviews.
    - Implemented Argo Workflows and Argo Events to trigger specific workflows based on defined event sources.

Vara Now | Software Engineer Intern   *June 2022 – August 2022*

- Utilized React JS, HTML, and CSS to create an innovative eCommerce marketplace and full-stack web application, contributing to the evolution of core site architecture.

PROJECTS

Stats-Guru, Lead Developer   *May 2024 – Present*

- Developing a React JS, HTML, and CSS webpage utilizing APIs to display NBA stats, games, live scores, standings, and statistics.

Titan-Talks, Lead Developer, Scrum Master   *October 2021 – December 2021*

- Collaborated with a team of six using Agile methodologies to develop a full-stack web application with React JS and MySQL, designed to facilitate networking among CSUF students.

BAPS North America, Lead Developer   *May 2021*

- Led the development of an IOS app using Swift in which the user is able to view BAPS temples across North America on an interactive map, utilizing a JSON file to retrieve geographic coordinates, image links, and site titles, which are shown in a table view and on an interactive map.

Finance Tracker, UI Developer   *March 2021 – May 2021*

- Collaborated on developing an iOS app using Swift, integrating the Plaid API to display bank transactions in a table view, and utilizing bar and pie charts to illustrate monthly financial gains, losses, and transaction counts.

EDUCATION

California State University, Fullerton   *Fullerton, CA*
Bachelor of Science, Computer Science   *August 2019 - December 2022*

- **GPA:** 3.73
- **Accolades:** 3rd prize winner, Google Virtual Coding Competition September 2019. Cum Laude. Dean's List: Fall 2019, Fall 2020, Fall 2021, Spring 2022.