

Tarun Khasnavis

Software Engineer

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📍 San Francisco

EDUCATION

University of California, Berkeley

B.A. Computer Science

Coursework: Algorithms, Databases, Structure and Interpretation of Computer Programs, Data Structures, Machine Structures, Computer Security, Artificial Intelligence, Operating Systems, UI/UX, and Discrete Mathematics & Probability

WORK EXPERIENCES

Software Engineer (MTS) | Salesforce

July 2019 - Present

- Work on features and visualization frameworks for a container based CI/CD pipeline called Strata. Specifically working to test, build, and deploy database products as RPMs to public cloud and 1st party environments.
- Created a pipeline which allows users to test and deploy their services to Falcon Public Cloud environments, by utilizing AWS EC2 instances on a Kubernetes based infrastructure.
- Designing a visual framework to show health and business metrics of our team's CI service by developing a Python based microservice using Argus Notifier Plugin, Funnel API, and Grafana Dashboards.

Software Engineering Intern | Salesforce

May 2018 - Aug 2018

- Created an automated tool that provisions production-like development testing environments within the Salesforce Private Cloud that are containerized using Docker containers on the CRM Infrastructure team.
- Created resource allocation logic, VM management, and a meta-data driven approach tool written in Python for creating VM's in the private cloud utilizing the OpenStack Framework; this greatly increased the scalability and performance of pipeline
- Wrote Puppet modules and created Docker build process to be part of release pipeline in CI/CD services

Full-Stack Software Engineering Intern | Symantec

May 2017 - Aug 2017

- Worked cross-functionally to design and prototype an application which allows users to manage and visualize their CI pipeline runs through an easy-to-use dashboard
- Developed the proof of concept, conducted exploratory user interviews, drove product vision, and wireframed UI screens
- Designed and developed the UI for the authentication screen and the main dashboard using ReactJS and Redux
- Created a REST API integrated with Jenkins to allow users to build, deploy, and test jobs in public cloud

Lead iOS Engineer | Inkwire

Aug 2016 - Dec 2016

- Led a team of 5 engineers in developing a free-lance software solution for Inkwire Inc via a contract through Mobile Developers of Berkeley, a technical consulting organization where I served as the Vice President.
- Developed and Designed an iOS education app that lets students make project-based mobile portfolios to enhance collaboration (Swift, Objective-C, Firebase, Facebook API).
- Implemented a centralized backend with Firebase, designed & developed main feed UI, wrote specs for all iOS developers, conducted code reviews and managed team workflow.

SKILLS & LANGUAGES

Languages

Java, Python, Javascript, SQL, HTML, CSS

Frameworks

ReactJS, Redux, Firebase, Parse, Cocoa, Bottle, Flask, Docker

Tools

Sketch, Adobe Illustrator, Adobe Photoshop, Puppet, and Adobe Premiere