advaitk.me/linkedin

Advait Kunte

(916) 304-4929
advaitkunte@csus.edu

Experience

Senior Software Engineer   **Zivame**   **Aug 2018 - Present**

- Designed and deployed auto-scaling for web servers, reducing deployment time from 120 minutes to **1 minute**
- Rightsized server capacity and services resulting in reduction of AWS monthly cost by **20%**
- Configured nginx for A/B testing to support dynamic bucket ratios of users across device platforms
- Optimized nginx caching to reduce static API's latency from 0.15s to **0.001s** and Redis caching load by **30%**
- Identified a network bottleneck in the caching layer and implemented a primary-replica system that scales horizontally, reducing overall average API latency from 1s to **0.15s**
- Enabled proactive business responses to financial metrics, conversion drops and API errors through an interactive real-time dashboard built on Elastic Stack (Kibana, ElasticSearch, Logstash)
- Analysed web requests and implemented rate limiting through cloudflare service to block bruteforce attempt

Software Engineer   **TenTenTen Digital Products**   **Oct 2014 - Jun 2018**

- Built core features in nascent stages of a fantasy gaming application, serving **120,000** concurrent users at peak
- Built monitoring tools for production servers using scripts to track metrics such as CPU and memory, resulting in holistic view of infrastructure
- Led migration of code base from jQuery to AngularJS, cutting development and maintenance time by **2x**
- Locally enhanced web2py framework (2.3.2) to handle session DB writes more efficiently, enabling the system to serve **100,000** concurrent users instead of 60,000 users.
- Built a multiprocessor producer-consumer framework that scaled to handle the process of sending emails with priority mechanism achieving sending **100+** mails per send
- Investigated and configured kernel parameters to increase the average number of web requests from 2k to **2.5k**
- Configured and performed distributed load-testing using Locust Python framework to identify bottlenecks before exposing the system to **120,000** concurrent real users at peak time

Languages and Technologies

- Python, Javascript, Java, Shell, HTML, CSS, PHP, C++, C
- NodeJS, Flask, Django, AngularJS
- MySQL, Jenkins, ELK Stack, Nginx, Uwsgi
- Amazon AWS(EC2, RDS, S3, VPC, R53, SES, SQS, SNS, ElasticCache, CloudWatch)

Education

Sacramento, CA   **California State University, Sacramento**   **Aug 2019 - May 2021**

- Master's in Computer Science
- Graduate Coursework: Data Models and Databases, Computer Networks, Programming Language Principles.

Bangalore, India   **Ramaiah Institute of Technology**   **Sept 2010 - Jun 2014**

- Bachelor's in Computer Science and Engineering
- Undergrad Coursework: Data Communication and Networking, Operating Systems, Unix, Databases

Projects

- **Auth proxy layer** (2019) - Add authentication layer and proxy to unprotected apps using NodeJS
- **VoIP GSM Gateway** (2019) - Setup and configured GSM over VoIP using Raspberry Pi using asterisk
- **pfsense Router** (2019) - Configured pfsense with firewall policies, loadbalancing, failover for multiple internet connection