in/advaitkunte
/advaitkunte
/advaitk.me

Advait Kunte

(916) 304-4929
advaitkunte@csus.edu

Experience

Student App Developer — **Office Of Water Programs** — **Sept 2020 - May 2021**

- Developed web application for a multi-year government-funded program
- Built a proof-of-concept nodeJS application

Software Engineer Intern — **Hewlett Packard Enterprise** — **May 2020 - Dec 2020**

- Enabled resource management and alerts by designing a monitoring dashboard using Grafana for MapR Cluster
- Optimized resource utilization, ease of deployment by containerization of services

Senior Software Engineer — **Zivame** — **Aug 2018 - Jul 2019**

- Designed and deployed auto-scaling for web servers, to reduce 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 horizontally scaled primary-replica system to reduce 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)

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

- Designed and built core features of a fantasy gaming application from ground up to serve **120,000** concurrent users
- Built console-based monitoring tools for production servers to track key performance indicators and provide a holistic view of the system infrastructure
- Led migration of codebase from jQuery to AngularJS, cutting development and maintenance time by **2 times**
- Locally enhanced web2py framework 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 prioritization queue to achieve an output of **100+** emails/second

Languages and Technologies

- Languages - Python, Javascript, Shell, HTML, CSS, PHP, Java
- Frameworks - NodeJS, Flask, Django, AngularJS
- Databases - MySQL, Redis, MongoDB
- Cloud Services - Amazon AWS (EC2, RDS, S3, VPC, R53, SES, SQS, SNS, ElasticCache), SpotInst, Cloudflare
- Technologies - Docker, Grafana, ELK Stack, Jenkins, Nginx, Uwsgi

Education

Sacramento, CA — **California State University, Sacramento** — **Aug 2019 - Dec 2021**

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

Bangalore, India — **Ramaiah Institute of Technology** — **2010 - 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 asterisk for Raspberry Pi