

Employment

Senior Software Engineer	Zivame	Aug 2018 - Present
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- Designed and deployed Auto-scaling for web-servers, resulting in deployment of n-servers in matter of seconds based on server load, and traffic
- Rightsized server capacity and service resulting in reduction of AWS monthly cost by **20%**
- Configured nginx for A/B testing enabling the product team to run tests for a bucket of users across device platforms
- Analyzed and configured nginx caching for certain static APIs resulting in reduction of average latency of APIs to **0.001 sec** and reducing about **30%** load on the redis caching layer
- Identified network bottleneck in the caching layer, designed a new system which scales horizontally and reducing overall average API latency from **1sec to 0.15sec**
- Trend alerts for API errors, conversion drops, and other financial metrics helping us react to changes actively
- Created a monitoring system using Elastic Stack(Kibana, elasticsearch, Logstash) for analysing logs and real-time order visualisation helping business team to actively change offer parameters

Software Engineer	TenTenTen Digital Products	Oct 2014 - Jun 2018
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- Building a scalable fantasy gaming application, serving **100,000** concurrent users at peak
- Built monitoring tools for Production servers to track metrics like CPU, Memory, number of connections
- Lead migration of code from jQuery to AngularJS, cutting development time by **2x**
- Debugged, and fixed a bug on web2py framework(2.3.2), which wrote to sessions DB for every request helping us serve **100,000** concurrent users from the previous 60,000 users
- Programmatically generate images to be shared on social media
- Developed a scalable **multiprocess** producer consumer framework with priority queue to process sending emails, moving from previously serial non priority queue
- Tweaking kernel default kernel parameters, increasing average requests served by a server to **2.5K** from the previous 2K
- Load-testing using locust python framework to test fantasy gaming application, which at peak handled **150,000 concurrent users**

Education

Sacramento, CA	California State University, Sacramento	Aug 2019 - May 2021
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- Masters in Computer Science
- Graduate Coursework: Data Models and Databases, Computer Networks, Programming Language Principles.

Bangalore, India	Ramaiah Institute of Technology	Sept 2010 - Jun 2014
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- Bachelor's in Computer Science and Engineering
- Undergrad Coursework: Data Communication and Networking, Operating Systems, Unix, Databases, Cloud Computing, Theory of Computation, Computer Organisation, Design and Analysis of Algorithms, Compilers

Technical Experience

Personal 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

Languages and Technologies

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