

Gaurav Kshirsagar

716-981-9480 | gauravk1001@gmail.com | linkedin.com/in/gauravkshirsagar
github.com/gauravk1001 | gauravk1001.github.io

SKILLS

Languages: PHP, Java, Python, Bash, SQL, JavaScript, Golang

Databases: MySQL, MongoDB, Cassandra

Frameworks: Spring, Zend, Flask, React JS, Node.js, AngularJS, PHP Unit, JUnit

Developer Tools: Git, OCI, AWS, GCP, Puppet, Docker, Bamboo, Splunk, Nginx, Kafka

EXPERIENCE

Senior Software Engineer

May 2022 – Feb 2024

Synacor Inc.

Buffalo, NY

- Architected Consumer Identity and Access Management (CIAM) solutions supporting about 10 million users featuring SSO and MFA, serving 15 million requests during peak hours to content providers including HBO, NFL and Peacock. This involved authentication flows on a PHP stack using OAuth 2.0, SAML 2.0, OpenID Connect
- Implemented authorization flow served by a Spring Boot Java microservice, which integrated with a data store or client APIs (hosted on Azure or AWS) to provide instantaneous authorization responses, typically within 200 ms
- Led a team of 4 engineers and organized migration of a repository of Perl scripts from data center to Oracle Cloud Infrastructure (OCI) hosted machines thus saving about \$100,000 a month in infrastructure costs
- Migrated 3 million users' identity to real-time, highly available and fault tolerant REST APIs microservice, using Hystrix library. Users belonged to cable providers such as Telus, Breezeline, Windstream and Astound
- Saved 1 hour of query time by creating Splunk dashboard to show statistics of unique authentications and authorizations, generated by a log parser and Splunk consumer in Bash, from PHP and Java logs
- Provided on-call support for clients' escalations and resolved emergency issues within 24 hours. Searched PHP, Java and HTTPD logs, validated data stored in MySQL and Cassandra databases to resolve issues
- Followed Scrum practices of Agile methodology in a 5 person team, like sprints, ceremonies, story creation, task estimation and ticket pipelines for an efficient SDLC

Software Engineer II

Aug 2018 – May 2022

Synacor Inc.

Buffalo, NY

- Served 8 - 10 million users with TV Everywhere integrations, built using SAML 2.0 and OAuth 2.0 standards, between TV providers like Apple TV, YoutubeTV, AT&T and content providers HBO, Peacock and STARZ
- Built a release runway and deployed a SaaS on-boarding service to production for seamlessly provisioning orgs and API keys, integrated microservices in React, and created a frontend for it in AngularJS, saving 5 hours of emails
- Made a parser to process hundreds of MBs of logs, generated by SiriusXM's microservices, to elicit useful parts of logs and stored them on file for further processing
- Improved efficiency of Zimbra server installations by 20% by performing health-check analysis. Wrote Bash scripts to gather CPU, memory, IO and cache statistics from clients' servers, and suggested improvements
- Made a CI / CD pipeline using Bamboo and Puppet to automatically test, promote and deploy a Linux RPM to testing environments and set up cron jobs on servers for running services in the package

Software Engineer I

Apr 2016 – Aug 2018

Synacor Inc.

Buffalo, NY

- Customized Portal product and made Portal integrations with other products, for cable providers such as AT&T, WOW!, Grande Communications (Astound) and Hawaiian Telecom using PHP framework on Zend engine
- Built and deployed a Golang microservice for provisioning and deleting F-Secure anti-virus licenses, for Blue Ridge, users within seconds

EDUCATION

University at Buffalo

Master of Science, Computer Science and Engineering

Buffalo, NY

Aug 2014 – Feb 2016

University of Mumbai

Bachelor of Engineering, Computer Engineering

Mumbai, India

Aug 2010 – Aug 2014