Jinu P R
Senior Software Engineer

Age: 30 years Old
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Location: Berlin, Germany

Summary

- Have been developing highly scalable, available & fault-tolerant platforms on the cloud from February 2012.
- Worked on end-to-end Web development
- Worked on distributed message queues like celery, Kafka
- Have been designing and developing RESTful APIs from 2012
- Have been working on ETL process using AWS stateless application Services since November 2020

Formation

2007-2011	B-Tech in Information Technology from Government Engineering College Palakkad, University of Calicut, Kerala, India
2005-2007	Higher Secondary Education in Bio-Science from St.clares CGHSS, Thrissur, Kerala, India

Technical Skills

Programming Languages:	Python, C, Javascript, Ruby
Web Technologies / Frameworks:	Flask, Swagger, Web2py, Tornado, Falcon
Databases:	Postgresql, MySQL, Redis, Cassandra, Elastic search
Database Toolkit:	SQLAlchemy
Message Queue Platforms:	Apache Kafka, Celery (with RabbitMQ)
Used Cloud Platforms / Services:	Google App Engine, AWS Cloud,S3, Step Functions, Lambda, Cloud Formation, K
Deployment/Orchestration Tools :	Jenkins, Kubernetes, Docker
Monitoring Tools:	Prometheus, Grafana, scalyr
Version Control:	git, Mercurial, Subversion
Operating Systems:	GNU/Linux, Mac OSX.
Cloud Platform Types:	Iaas(Infrastructure as a Service), Saas(Software as a Service
Data Platforms:	Apache Spark, Databricks, Jupyter
Recent Interests:	Graphene, GraphQL

Professional Experience

From November 2020   Software Engineer at **Zalando SE**, Berlin, Germany

- Designed and Implemented Data pipelines using AWS services (Step Functions, Lambda, Cloud formation)

- Worked on statistical model creation for sizing recommendations for Zalando Internal Buyers
- Worked on Design and Implementation of Recommendations API for Zalando Internal Buyers
- Worked on Design and Implementation of tools of KPI calculations for pre-order sizing platforms in Zalando

From August 2017   *Software Designer V at **Aruba Networks** (a **Hewlett Packard Enterprise Company**), Bangalore, India*

- Designed and Implemented REST APIs for RBAC for Central and Multi app
- Designed and Implemented REST APIs for service assurance and switch monitoring for Central
- Designed and Implemented Functional Testing Framework for Central Apps (Micro services)
- Worked on Docker, Kubernetes for the deployment
- Designed and Implemented REST APIs and collector code for CX Switch Monitoring
- Wrote Unit Tests and Functional Tests for Monitoring, RBAC and Service Assurance Apps.

From December 2014   *Senior Software Engineer at **AccionLabs India Private Limited**, Bangalore. India*

- Wrote RESTful APIs for Provisioning-UI
- Worked on LDAP Services
- Wrote unit tests for Provisioning-UI APIs

From April 2014   *Member Technical Staff at **MyParichay Services Private Limited**, Bangalore. India*

- Wrote RESTful APIs for MyParichay Webdashboard.
- Worked on Celery (A Distributed Task Queue) For Email Campaigns.
- Wrote Unit Tests for Recruiter-Parichay APIs.

From Feb 2012   *Development Engineer at **K7 Computing Private Limited**, Chennai .India*

- Integrated linux containers into StackIron (A virtualization platform).
- Worked on the ARM server solution from K7(TrueCore).
- Wrote Unit Tests for EggPlug (A NAS and Cloud Storage Device).
- Worked end-to-end on K7 Tracker UI and Server.

Projects

Central, Simplified Cloud Networking Platform

Aruba Central offers simple ,secure and cost effective cloud management and visibility for Aruba Instant APs, switches and Branch Gateways for multi-site organizations. Advanced analytics services and connectivity health, as well as easy to use guest access help IT deliver unmatched experiences, while improving efficiencies.

MyParichay, Online Recruitment & Career Services Platform

MyParichay is a Saas based Social Recruiting and Career Services Platform. MyParichay's vision is to expand employer's universe to reach a broader spectrum of professionals, willing to be contacted via email, Facebook Ads, Mobile or through Friends. MyParichay does this by digitally connecting talent with opportunity at a massive scale through MyParichay Facebook App and Recruiter Dashboard.

StackIron, Hypervisor Manager

StackIron is a virtualization platform. StackIron provides a unified interface to manage all opensource hypervisors. A pure python implementation for which we developed our own development framework and billing solution. It comes integrated with third party billing solutions like WHMCS as well. All basic functionalities like backup, templatization, migration, SAN and local storage management work seamlessly across all hypervisors.StackIron provides fine grained user control and allows various levels of user configurations at runtime. StackIron has an optional VLAN and bonding functionality along with Basic Firewall and traffic controlling.

K7 Tracker, Security Tracking Software

K7 Tracker is an invisible software security application that traces the location of missing laptops for recovery. It is a light weight application that will help you track and find your laptop if it ever gets stolen. K7 Tracker provides a method for mitigating this risk. This tracking system send, over the Internet, updates regarding the current location of the device to a remotely administered repository. If the device is lost or stolen, but maintains Internet connectivity and unmodified software, the tracking system can keep tabs on the current whereabouts of the device. This data could prove invaluable when the appropriate authorities attempt to recover the device

Personal Projects

Eye Tracking Driven Virtual Computer Mouse

A camera mouse application was developed in C(using OpenCV) that tracks human body movements in video from webcam to manipulate virtual computer pointing devices like mouse.

OpenCV Particle segregation

An application was developed in C (using OpenCV) to classify objects in an image based on their size and shape.

Design of a toy Unix shell

A small unix shell was implemented in C with support for redirection and piping.

Avl Tree Implementation

   An Avl tree datastructure was implemented in C.

Bloom Filter Implementation

   A probabilistic datastructure, Bloom Filter was implemented in C.

Visualizing graph vertex coloring using NodeJS and HTML5 Canvas

   A simple program was written to visualize graph vertex coloring using NodeJS and HTML5 canvas.

A Google App Engine based framework for graph algorithm visualization

   An application was developed in Python(running on Google App Engine) to visualize the graph vertex colouring algorithm.

A Google App Engine Based URL Shortener

    A simple webapp was developed in Python using Google App Engine/python to shorten URLs.

Online Profiles

Blog   https://jinurajan.wordpress.com
Code Repository https://github.com/jinurajan,
                    https://bitbucket.org/jinurajan

LinkedIn   https://www.linkedin.com/in/jinupr/

Interests & Activities

- Learning new technologies
- Solving problems
- Free Software Movement