Contact

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(LinkedIn)
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Top Skills

NextJS
Go (Programming Language)
Redis

Languages

Kannada
Hindi
Sanskrit
English

Certifications

Certified Solution Designer (Rational
functional tester for Java)
MCSE Course

Honors-Awards

Mentioned in Nokia Siemens
Network (NSN) responsible
disclosure
Recognised by Mediafire for
reporting security vulnerability

Karthik Panjaje

Building scalable backend services in Go
Bengaluru, Karnataka, India

Summary

Full Stack Developer with 13+ years of experience in building
responsive, performant and robust web application. Can build rapid
web application prototypes as well quickly grasp existing work to
complete it in time. A team player who constantly self-improves
and helps others to grow as well. Proficient in web technologies
like Go, NodeJS, NextJS and PHP for building monoliths as well as
microservices.

Experience

The Filipino Channel
Staff Software Engineer
November 2024 - Present (1 year 2 months)
Bengaluru, Karnataka, India

* Working on various backend services of iWantTFC OTT platform with various
technologies like Go lang, NodeJS, MongoDB, Kafka, Redis etc.

* Built feature rich GraphQL middleware using Apollo GraphQL in NodeJS
which powers web as well as mobile application of iWantTFC. Uses various
caching technique via Akamai CDN to deliver content with low latency to all
users.

* Integrated EZDRM with Entitlement Go lang service to enable secure
content playback across all the devices. Implemented additional business rules
and wrote comprehensive test cases to keep code quality high.

* Integrated Sensara search & recommendation engine with Recommendation
Go lang service to give search feature to users as well as display content
recommendations.

* Built high performance service which tracks last watched position of a content
for an user using iWantTFC app with minimal latency. It was achieved via
batch processing Kafka events of content view data.

* Built a robust content viewing concurrency system which tracks all devices currently consuming content per user account in realtime using Redis backed data structure. This system is used to allow/deny playback of a content based on business rules.

* Helped in building a service that aggregates country wise trending as well top 10 content by integrating Conviva APIs which runs as AWS Lambda in a set schedule.

* Built Firebase Remote Config support for all Go lang services through which service configuration can be modified in real time.

* Monitored backend services latency with NewRelic integration and also coordinated with multiple teams to resolve production issues in time.

* Mentored junior developers and did code reviews to maintain code quality in the organization.

Circles
Senior Software Engineer
October 2023 - November 2024 (1 year 2 months)
Bengaluru, Karnataka, India

* Responsible of refactoring legacy Go codebase in shop service to decrease binary size by 10% and code size by 26%.

* Implemented Redis cache strategy in inventory management service to decrease API response time from 120ms to 5ms.

* Worked with relevant stakeholders to reduce AWS cloud cost for the organization.

* Using Go pprof tool on e-commerce services to eliminate memory leak on the service to improve overall performance..

* Mentored junior developers, fostering professional growth and enhancing team productivity.

* Developed scalable applications using agile methodologies for timely project delivery.

Zee Entertainment Enterprises Limited
Team Lead
April 2022 - October 2023 (1 year 7 months)
Bengaluru, Karnataka, India

* Built Partner Catalog Integration Service using NodeJS, Typescript, MongoDB which fetches data from existing Solr Database and listens to real time updates from Kafka Server to sync content data with multiple partners having multiple XML and JSON schemas while storing it in Amazon S3 for caching
and reuse. Used Fastify Framework to build low latency web-hooks to trigger various actions.

* Attended an organization wide 3 day hackathon and built a working watch-party prototype where
multiple people can watch same movie or TV show in sync with each other. Tech stack used was NodeJS with Typescript, ReactJS, Postgres Database and Amazon Interactive Video Streaming (IVS) Service.

* Built the Payment Module for Zee5 App on smart TVs like LG and Samsung using ReactJS and Redux.
Introduced modern coding practices by integrating Typescript to the existing JavaScript code base.

* Improved code quality by integrating Github Workflows and Husky Pre-Commit Hooks into the project and enforcing commit conventions. Also performed code reviews and gave feedback on improving the code base.

* Built an Automated Version Bumping Script using NodeJS to help maintain semantic versioning for the
application.

* Mentored juniors developers and took tech-thursdays to share industry knowledge with
colleagues.

THIS IS! Digital Media Group GmbH
Lead Web Developer
August 2020 - July 2022 (2 years)
Bengaluru, Karnataka, India

* Built various full-stack online event management platforms using NodeJS Microservices as backend
and ReactJS/NextJS as frontend. It had live media streaming using Azure Media Player.

* Worked on an event auto-deployment platform for each custom event created by client using Docker
and Kubernetes.

* Managed a team of 4 people and handled project lifecycle (sprints etc.) using various tools.

* Worked on integrating NodeJS application between an external alarm system and an internal IoT device using TCP for communication with AES encryption.

* Worked on building a reliable development environment using Docker Compose file.

* Worked closely with devops team to find and fix issues with CI/CD pipelines.

Zibanka Media Services Pvt. Ltd.
Platform Architect
February 2017 - July 2020 (3 years 6 months)

* Introduced Git version control system to the existing legacy code base and added Git workflow to development.

* Rebuilt the entire web management portal including RESTful APIs using modern technologies like Yii2 and ReactJS after rearchitecting the database schema.

* Used Materialize CSS framework to build a beautiful • user interface. Automated media processing using FFMpeg and storage of media in Amazon S3.

* Deployed the web application to AWS stack and monitored the same. Maintained and monitored NodeJS legacy code base for backward compatibility.

* Wrote shell scripts to automate CSV data upload from client's private server into company database.

Interview Master
Senior Software Engineer
March 2014 - February 2017 (3 years)

* Worked On: Online Job Interview and Proctoring Automation Web Portal.

* Technologies Used: PHP 7.0, NodeJS, JavaScript, Amazon S3, Amazon EC2, BackboneJS, WebRTC, Yii2 Framework, PostgreSQL.

* Upgraded online interview automation product from Yii1 to Yii2 framework.

* Built NodeJS RESTful APIs for remote online web assessment proctoring application. Used Bootstrap CSS framework to build a beautiful user interface.

* Built BackboneJS standalone embeddable script which helps in proctoring any web based questionnaire which included audio and video capturing with face detection using WebRTC

* Wrote performant SQL queries to sort and search through big data to display meaningful information. Identified performance bottlenecks in the application and rectified the same by refactoring code. Monitored server in EC2 instances in AWS when load was high.

* Built face detection system using experimental WebRTC technology which worked in Chrome as well as Firefox browsers.

* Generated graphs by aggregating data from millions of rows from. PostgreSQL database without slowing down the web application.

Privy TV
Software Engineer
February 2012 - February 2014 (2 years 1 month)

* Worked On: Managing Android Devices through web for injecting ads into live TV.

* Technologies Used: PHP 5.4, NodeJS, JavaScript, CodeIgnitor framework and MongoDB.

* Built PHP web application using CodeIgniter framework which helps to manage Android Devices powering ad delivery to retail stores.

* Added new RESTful API endpoints using NodeJS to manipulate data in MongoDB.

Education

Visvesvaraya Technological University
Bachelor of Engineering, Computer Science · (2007 - 2011)

Sri Sathya Sai Loka Seva Vidya Kendra
 · (2000 - 2005)

St.Aloysius