

JANANI ANBARASAN

Sr. Backend Engineer, Gitopia

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<http://programcpp.github.io/>

Software engineer, experienced in designing and developing PC, web[3], and cloud applications, following agile and CI/CD practices. Interested in programming, decentralized and distributed applications.

Skills & Technologies

Golang, Java, C++, PostgreSQL, redis, envoy, consul, Kafka, cosmosSDK, REST, gRPC, hystrix, OAuth, k8s, helm, StatsD, new relic, git, gitlab, distributed and decentralized applications, application security.

Work Experience

2011-present

Gitopia, web3 VCS

Jan 2022 to Jan 2023

Skills: Git, Golang, cosmosSDK, leveldb, beanstalkd, IPFS, protobuf, gRPC.

[Gitopia](#): A web3 version control system that's incentivized, permanent and censorship-free.

Contributions: built a system to backup all the git repositories to IPFS and web3 storage solutions to guarantee platforms' transparency and data permanence. Built notable features for gitopia including airdrop, inflation and token distribution.

Gojek, Payments

Sep 2018 - Mar 2021

Skills: Golang, Java, C++, PostgreSQL, redis, envoy, consul, Kafka, REST, gRPC, protobuf, k8s, helm, StatsD, new relic, Ubuntu, TDD, CI/ CD

[Gopay](#): Worked with gopay payments platform team to offer digital wallet to southeast Asia with 150MM user base, 40MM MAU and 5M transactions per day(10K RPM at peak).

Contributions: API development that serves 200K RPM, microservices ownership including system, API & code design, design and development of framework to integrate new payment methods with e-wallet, Setup framework for load testing apps with fault injection, Postgres utility for db purging, Production support in turns with RCA reporting. card payments.

Cisco Systems India Pvt Ltd, Server Management

Feb 2016 - Sep 2018

Skills: C++, golang, REST, ODATA, JSON, Docker, Kubernetes, AWS, RabbitMq, MongoDB, CentOS

Unified Computing System Manager ([UCSM](#)) & [Intersight](#): The client-server and cloud applications at a few thousand TPS, to manage Cisco's unified compute and hyperconvergence solutions.

Contributions: Ownership of OAuth2 integration with the product for firmware management. development of service pack patching mechanism for UCSM and server endpoints.

Appreciations: Benefit Everyone (* 2) award for the contributions. Won national coding contest for women by Techgig.

Citrix R&D India Pvt Ltd, Software Licensing

Mar 2015 - Feb 2016

Skills: C++, APR, HTML, CSS, Javascript, Visual studio 2013, Fiddler4, WireShark, Windows 8

[Citrix_Licensing](#): A software for managing licensing of all the Citrix products.

Contributions: Front end development of Citrix licensing portal with custom jQuery UI widgets, Developed additional license usage reporting/ CEIP and alerting for the license server, development of a library to port data from flat file system to SQLite DB, Bug fixes and back end Maintenance.

Samsung R&D India, SSD management host solution

May 2013 – Mar 2015

Skills: C++, VC++, JSON, WinINet, Windows IPC (Pipes), Visual studio 2010, Windows 7

[Samsung Magician](#): A software for improving SSD endurance and performance, SSD cloning and Data backup.

Contributions: Implemented SD card- Host communication protocol, development of a cross platform (Windows, Linux) SDK for SSD management applications.

Appreciations: SPOT award for implementing SD Card – host communication protocol.

HCL Technologies Ltd, Semiconductor manufacturing software

Jul 2011 - May 2013

Skills: VC++, C#, .NET, VB.NET, Visual studio 2010, Windows IPC(Sockets), MS SQL Server Management suite, Windows XP.

[Maxbright](#): A software product to run/ control the MOCVD tool that is used for production of LEDs.

Contributions: Developed an end to end enhancement targeting the usability of the software, Fixed Critical issues in several modules. Provided Engineering support for software release at the FAB.

Appreciations: LIVE WIRE award for excellence in performance.

Education

Bachelor of Engineering, Computer Science, Visvesvaraya Technological University, 2011

