

PRABHAKAR JUZGAR

Cell: +353894131136 ~ e-mail: prabhakarjuzgar@gmail.com
<https://www.linkedin.com/in/prabhakarjuzgar>

Summary

Experienced and accomplished software development engineer with over a decade of expertise. Proven ability to leverage Python, Golang, AWS, various web frameworks. Proven track record in designing scalable solutions. Good problem-solving skills and a strong collaborator in dynamic, fast-paced environments.

Technical Skills

- **Programming Languages:** C/C++, Python3, Golang.
- **Operating Systems:** Linux.
- **Tools:** Perforce, Git, Jira, GDB, PDB
- **Web Frameworks:** Django, FastAPI, Flask
- **Databases:** DynamoDB, MongoDB, PostgreSQL
- **HyperScalar:** AWS
- **Development Practices:** Cross platform development, software debugging, tracing using memory dumps.

Employment History

Genesys (July 2021 - present)

Role: Senior Software Engineer

Python3, Django, Go and AWS modules.

- Fix and maintain existing features in the directory service.
- Translations Service design and development in Golang.
- Location Service design and development in python, FastAPI and AWS
- Data migration from MongoDB to DynamoDB
- Single table design for similar entities in DynamoDB.

Memjet Technology (April 2019 – July 2021)

Role: Senior Software Engineer

Python3, C++11, OOAD, Linux, multithreading, Make.

- Fix and maintain existing features and develop new features using C++.
- Develop and unit test features using Python3.
- Design and Develop Backend features using Flask framework and Python3.
- Interface c and Python.

Netapp (Nov 2014 – Nov 2018)

Role: Member Technical Staff 4

Snapmirror – Data Protection Solution

C++, Python, OOAD, FreeBSD, distributed computing, replicated database, multi-tenancy.
FlexGroup Copy to Cloud – Help customers move data to cloud.

- Involved in discussion of Functional Specification and Design Specification.
- Arrive at estimates for the assigned modules.
- Implement management and control planes modules.
- Communicate with cross-module stakeholders.
- Identify and develop test cases.

FlexGroup Expand – Help customers to add storage without backup disruption.

- Involved in discussion of Functional Specification and Design Specification.
- Automatic expansion of the destination on detection of the source expansion.
- Enhancing existing features of other modules to support FG Expand.

FlexGroup Vault -

- Involved in discussion of Functional Specification and Design Specification.
- Implement and unit test the feature developed.
- Handling inter module dependency.

FlexGroup Restore – Help customers to get back lost data from backup

- Involved in discussion of Functional Specification and Design Specification.
- Implement and unit test the feature developed.
- Assist colleagues in developing test cases for the feature.

SnapMirror Protect – Web Interface for FlexGroup

- Enhance existing business logic in javascripts to expose FlexGroup.
- Mentor juniors to complete the task assigned.
- Enhance existing infrastructure to handle FlexGroups.

FlexGroup Additional Storage Efficiency

- Write Low Level Design Specification.
- Work with a Senior Engineer to arrive at estimates.
- Implement and unit test the feature developed.

Aricent Technologies (May 2014 – Nov 2014)

Role: Senior Software Engineer

- Involved in fixing bugs.

Netapp (Nov 2011 - May 2014)

Role: Member Technical Staff 3

Storage Virtual Machine

C++ (STL, boost), OOAD, FreeBSD, distributing computing, replicated database, multi-tenancy.

- Improved user experience by redesigning virtual server deletion by making it schedulable job.
- Improved cluster health by designing and implementing module to remove zombies.
- Improved security for the customers by enabling SHA2 encryption for authentication.
- Proposed solution to enable aliased commands (RBAC) in the virtual server context.

- Enabled users to have authorization of all commands belonging to different groups in LDAP/AD/NIS servers.
- Designed and implemented algorithm to reduce the memory consumption of RBAC.
- Designed and implemented ACLs to work along RBAC for cluster management operations.
- Proposed solution to integrate Google Authenticator and Radius authentication in OnTap.
- Implement CRUD, using JSON and boost::property_tree to simplify user experience.
- Enabled RESTful API in ONTAP, as part of hackathon using CPP Rest SDK.

Infinite Computer Solutions (Sept 2011 - Nov 2011)

Role: Tech Lead

- Involved in fixing bugs.

Uniconnect Pte Ltd, Singapore (Aug 2010 - Aug 2011)

Role: Senior Software Engineer

C++, OOAD, Velocity, multi IDE, BlackFin Processor, Microsoft Visio

- Involved in developing new features, fixing and maintaining existing ones for infotainment systems.

ST Ericsson, Bangalore (March 2010 - August 2010)

Role: Senior Software Engineer

C++, VxWorks, OOAD.

- UHSII host protocol driver development for in-house use. Implementation is in C++.

Robert Bosch (May 2008 - March 2010)

Role: Senior Software Engineer

C, ARM11, tKernel, I2C

- Analyse, Design and Implement existing devices drivers to TRITON multi-core ARM11.

Siemens (July 2005 - April 2008)

Role: Senior Software Engineer

C++, OOAD, BlackFin Processor, Velocity, Enterprise Architect, Bluetooth, UART.

- Involved in developing new features, fixing and maintaining existing ones for infotainment systems.

Education

B.E(Electronics and Communication): National Institute of Technology Karnataka (NITK), Surathkal, 2005 (*1st class with Distinction 74.94%*).