Girish Kumar Gupta   Mumbai (India)

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Summary

Over 9 Yrs. experience in software development using python, Golang, C, C++, SQL, MongoDB, Nodejs, shell scripting, micro-services, automation, pyspark.

I have written services using pyspark and python that handled millions of requests in real time in IPL.

I develop and execute unit tests to ensure code quality is maintained.

Other responsibilities include Data modeling, Code Reviews, Technical Design and Mentoring

I have been instrumental in initiating, managing and providing sessions on MongoDB & Node.JS as part of the company's Gem University.

I am known and recognized as Initiative taker, Quick learner, Quality Champion, Hardworking, Disciplined.

Technical Skills

Data structure & algorithms, Design Patterns, Object oriented Programming
Languages: Python, Node.js, Java Script, C, C++, C#, Reactjs, Scripting (Bash, shell), jquery, Golang(basic)
Databases: SQL (Sybase, Oracle, MSSQL, Postgresql), NoSQL(MongoDB), Dynamodb, Redis
Frameworks/Libraries: Django, Flask, Kafka, pyspark, ORM, Ngnix, Influxdb, Telegraf, aws, terraform, packer, docker, ansible, EMR, gocd pipelines
Tools: Visual Studio, Eclipse, gdb, gcc, vim, pycharm, goland, postman, git, svn, npm, Superset, Grafana

Work Experience

Hotstar SDE-2 Mumbai   *October '18 – Current*
Project Title: - Game Engine
  Created jobs using pyspark that processes millions of user answers in real time for watch and
  play game during IPL.
  Written a proxy server using golang that converts vod to live stream.
  Written Game simulation engine that simulates a complete cricket match.
  I have also been instrumental in deploying applications using terraforms, ansible and packer.

Acorn machine Intelligence Lab, Tech lead, Gurgaon   September '17 – Oct 2018
Project Title: - Loan Portfolio Monitoring tool
Role: Tech Lead, Development & Deployment Lead
  Developed and deployed the tool from scratch internally to OakNorth bank for User
  Review/Feedback, wherein the tool helped ON Credit team reduce daily operations time by
  50% and identify high risk loans in early state.
  Designed data model to handle any type of loans, borrower and reporting.

Technologies: {Backend - Python (Flask, Pandas, PyTest, microservices, docker)}, {Storage – MySQL, AWS S3, postgresql}, {Frontend – reactjs}, {Version Control – Git}

Project Title: - Property Monitoring tool

      Developed AI based products for the various stakeholders within the company, with a goal of
      bringing down the turnaround time of credit assessments and customer loan disbursal to a
      quarter of current industry standards.

      Create a property price prediction tool that was used at the time of credit underwriting for
      London based SME mortgage loans.

Technologies: {Backend - Python (Flask, Pandas, machine learning methods like KNN, Python, SQL,
Redshift, Jupyter, GIT, JIRA)

Note: machine learning model was created by someone else. I was mainly involved in data engineering.

Gemini Solutions Pvt Ltd, Gurgaon   *May '13 – June'17*

Project Title: - *Cronus Web Application*

      I was involved in developing a complete cloud-based tool to manage risk numbers across various
      teams through centralized database.

      A Web-based tool that is primarily a centralized and auditable database update utility.

      Designed algorithm to stale risk measures getting produced by financial models.

      Generate Periodic reports for Usages by various groups and users.

      I have been instrumental in peer code reviews.

      Query builder for any database (MS SQL, My SQL, Sybase, Postgresql, Oracle with commit
      /rollback, workflow through JIRA.

Technologies: Python (Django, pytest, microservices, MSSQL,Sybase, Oracle, jquery}

Project Title: - *New Risk Framework (For the largest Fixed Income Investment Bank in the world)*

      Security classification: classification of various bonds (Fixed Income) based on different financial
      analytics models.

      Specialized Sybase/Oracle oriented loaders: post processing of risk measures generated by
      financial models and loading into Sybase/Oracle.

      pimcloud library: Created highly efficient and easy to use wrapper for memcache library and
      exposed this to developers.

Technologies Used: C++, STL, Boost, Scripting, gcc, Oracle, Sybase, python

Samsung India Software Centre, Noida   November '11 – May '13

Project: - Linux Security

      Worked Linux Security Module, Tomoyo. Written various hooks on system calls in C.

      Updated LTP test suite for Tomoyo by writing different test cases. And Bullseye Coverage for this
      module reached high as compared to other modules in Linux Kernel. (Functional 97 % and
      Conditional 74 %).

Sony India Software Centre, Bangalore   *July '10 – October'11*

Project: - TransferJet protocol (It is a P2P shortrange high bandwidth data transmission NFC technology)

      Developed an Automation Framework using shell scripts for individual test scenarios belonging
      to various categories: simple config, long run, error and fault.

      Linux kernel programming, C, BASH, Makefile, Python

Educational Qualifications:

B.E. Computer Engineering from Delhi College of Engineering, Delhi (2006-2010)

Key Achievements

Employee of the Quarter-4 2015 in Gemini Solutions Pvt Ltd.
Best Team Award in SONY in 2011.
Secured All India Rank 257 out of more than 400,000 examinees in the All India Engineering Entrance Examination (AIEEE) 2006.
Achieved 19th Rank in Rajasthan in All Rajasthan Talented Examination while in Class 11.
Secured 38th Rank in Rajasthan in X Std.

VISA: On Site exposure to Newport beach California, USA for 1 month. Have **B1/B2 visa** for USA valid up to 2026.

Activities

I am an adventure seeker and also a fitness buff. I'm also an avid swimmer, runner and cyclist and have run quiet a few half marathons & Triathlons. I next intend to run a full marathon in coming years.
I have done sky diving, paragliding, horse riding. I recently started exploring Golf.
I have participated in many hackathons and won prizes.

Languages

Hindi, English, Japanese (Basics)

External Links

https://github.com/girishgupta211
http://stackoverflow.com/users/1061664/girish-gupta
https://www.linkedin.com/in/girish-gupta-63556624/
https://medium.com/@GirishGupta211