**Mahesh J Gavandar**

Flat No: 1, Abhinandan Apartment, Padmachaya Society, Raghvendra Nagar,

Chandan Nagar, Kharadi, Pune - 411014.

Maharashtra.

Mobile: **+91– 9096148625**

E-mail: [mahesh.gavandar@gmail.com](mailto:mahesh.gavandar@gmail.com)

**Career Objectives:**

* Having a strong interest in Automation and Development, Aims at achieving a robust

methodology of solving problems and seeks every opportunity to learn relevant skills

in today’s expanding software industry.

**Professional Summary:**

* **5** years’ experience of working in development projects.
* Currently working at **HSBC Software Development Limited** as **Software Engineer**.
* Experience in developing Applications using **C,C++ and Python on Linux** platform.
* Experience in **Scripting in Shell and Python** and basic of **Perl** Scripting.
* Knowledge of **VMware/ VSphere, Patching/upgrading Linux servers**.
* Experience in developing applications using **Agile** Methodology.
* Experience in Financial Services Domain with experience in Indian Securities Market.
* Experience in designing and developing high performance trading system.
* Experience in Requirement gathering, Architecture design, Parallel run, Benchmarking, Low Latency, System Programming and Testing
* Excellent skills in understanding business needs and converting them into technical solutions.
* Git Repository : <https://github.com/MaheshGavandar>

**Technical Experience Summary:**

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| --- | --- |
| **Languages** | C, C++, Python, Shell Scripting, Tornado web framework, SQL, HTML, CSS, JQuery, JavaScript, Bootstrap, Pro\*c, Core Java |
| **Concepts** | Data Structures, Multithreading, IPC methodologies, Module and System Level Testing, LBM, Shared Memory, TCP/IP Programming, Low Latency, Patching Linux Server, VmWare API |
| **Operating Systems** | Linux, Aix, Solaris, Windows. |
| **Software Tools** | Git hub, GDB, MS office, Idea Intellij,  NEAT, NEAT\_PLUS terminals of NSE (TWS, CWS), VMWare/VSphere Client, Visual Studio 2015, Jira, Confluence. |
| **Database** | MySQL, Oracle. |
| **Domain** | Trading and Banking. |

**Education:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Academic Year** | **College** | **% Marks** |
| MCA | 2010-2013 | Govt. College of Engineering, Aurangabad. | 80.45% |
| B.SC(CS) | 2007-2010 | Vivekanand College, Aurangabad. | 75.81% |
| 12th | 2006-2007 | Maharashtra State Board and Higher Secondary Education. Aurangabad. | 76.67% |
| 10th | 2004-2005 | Maharashtra State Board and Higher Secondary Education. Aurangabad. | 84.26% |

**Work Experience:**

* Software Engineer at **HSBC Software Development Ltd**. (August 2016 - Present)
* System Engineer at **Tata Consultancy Services**. (July 2013 – July 2016)

**Projects and Roles:**

**Project Title: Plexus (Grid Based Performance Reporting)**

**Company: HSBC Software Development.**

**Project Description:**

* Currently HSBC has more than 50000+ Linux servers.
* Plexus is a tool, which provides real-time centralized performance reporting across a large number of hosts with the aim of aiding performance analysis and problem diagnosis.
* It provides a unified view of a large number of performance metrics. With both high-resolution and long term data for each.
* Plexus reporting framework is both extensible and customized which allows access to precisely the information required.

**Technology used:** C++, Python, RRD Database, Ganglia Framework, JavaScript, Bootstrap.

**Team Size:** 5

**Roles and Responsibility:**

* Gather Business Requirements from HSBC Higher Management.
* Create Architecture Design and give presentation to Higher Management.
* Preform Design, Coding, Testing and Database Design.
* Document creation.
* Worked front end as well as backend designing and coding.

**Project Title: Sauron (Server Based Search System)**

**Company: HSBC Software Development.**

**Project Description:**

* Sauron is a tool which gives server information to the users.
* This tools helps server based search and will give information what software

Installed on server, who has built the server, when server was built, what os

Currently running on servers, server is a production, development or DR server.

* Apart from this information, this tool also help to track currently which services running on searched servers and name of service owners.

**Technology used:** C++, Python, JavaScript, SQL, Bootstrap, HTML, CSS.

**Team Size:** Individual Contributor

**Roles and Responsibility:**

* Gather Business Requirements from HSBC Higher Management.
* Create Architecture Design and give presentation to Higher Management.
* Preform Design, Coding, Testing and Database Design.
* Document creation.
* Worked front end as well as backend designing and coding.

**Project Title: PATS (Patching and Automation Tracking System)**

**Company: HSBC Software Development.**

**Project Description:**

* This tool has been developed for patching team.
* Currently HSBC is having more than 50000 servers and before to develop

this tool it was very difficult to manage to take downtime from service owner to

for their servers up gradation. This process was doing manually by communicating service owner.

* Now service owner can login into the system and gives downtime information for their services. If service owner has not entered downtime information in specified time, then auto escalation email will sent to their higher management.

**Technology used:** C++, Python, JavaScript, SQL, Bootstrap, HTML, CSS.

**Team Size:** Individual Contributor

**Roles and Responsibility:**

* Gather Business Requirements from HSBC Higher Management.
* Create Architecture Design and give presentation to Higher Management.
* Preform Design, Coding, Testing and Database Design.
* Document creation.
* Worked front end as well as backend designing and coding.

**Project Title: SSTK Revamp (Superstack Tool Kit Revamp)**

**Company: HSBC Software Development.**

**Project Description:**

* Superstack is a tool which is use to install mandatory tools/software at the time of new server build process.
* This process installs DDMI, HPSA, Control-M, Control-SA etc. software into newly build servers.
* Through website user can install software on server.

**Technology used:** C++, Python, JavaScript, SQL, Bootstrap, HTML, CSS.

**Team Size:** Individual Contributor

**Roles and Responsibility:**

* Revampold website with adding certain new features.
* Create Architecture Design and give presentation to Higher Management.
* Architecture Design Presentation to Higher Management
* Preform Design, Coding, Testing and Database Design.
* Document creation.
* Worked front end as well as backend designing and coding.

**Apart from above major projects done below minor automation individually.**

**Project Title: Audit Report System.**

**Project Title: Project Prabhavi.**

**Project Title: Patching Tracker.**

**Project Title: Patch Calendar.**

**Company: HSBC Software Development.**

**Team Size:** Individual Contributor

**Technology used:** C++, Python, JavaScript, SQL, Bootstrap, HTML, CSS.

**Roles, Responsibility and Achievements:**

* Gather Business Requirements from HSBC Higher Management.
* Create Architecture Design and give presentation to Higher Management.
* Preform Design, Coding, Testing and Database Design.
* Document creation.
* Worked front end as well as backend designing and coding.
* Save employees working hours.
* Manage Audit related things in proper manner.
* If Audit goes wrong automatic email will send to Higher Management.
* Removed dependencies of different team through automation.

**Project Title: NGCM (New Generation Capital Market) and NGFAO (New Generation Future and Option)**

**Company: Tata Consultancy Services, Mumbai.**

**Client: National Stock Exchange, Mumbai.**

**Project Description:**

* Currently NSE has various systems for trading Equity (in Capital Markets), Derivatives contracts (in FAO Markets) and Currency derivatives and separate code base is maintained for each systems.
* NSE as a trading platform includes four major components
  + Market ( Matching engine )
  + PT ( Post Trade ),
  + DS ( Data store )
  + NET ( Communication with TWS terminals )
* Currently NSE has started modularization for Market Component
* In this case expected load is 80 to 100 times higher than the current load. To capture this future requirement, NSE is planning to develop a very high performing application (80000 transactions per second).
* Along with high performance reliability & high availability are also very important features. It is required to design a high performing system with sophisticated failover and recovery features.

**Technology used:** C, C++, Python, Shell Scripting.

**Team Size:** 25

**Roles and Responsibility:**

* GatherRequirements from Clients.
* Create Architecture Design and give presentation to Clients.
* Responsible for bechmarking and improve process latency and throughput.
* Responsible for Design, Development and Unit/Integration Testing.
* Responsible for gives project and business knowledge for newly joined Employee.

**Compliments/Appreciations & Special Skills:**

* Awarded Achiever of Month(March 2018).
* Awarded Best Team (December 2017).
* Awarded Star of Month (March 2016).
* Awarded Best Team (March 2016).
* Often received appreciation from client and company management.
* Awarded as exemplary and hard worker in HSBC with bonus.
* Flexible and Innovative.
* Goal oriented, positive and supportive.
* Good communication skills and organizational skills.
* Good analytical and quantitative approach.
* Can work individual as well as in team.

**Industrial Training:**

* Completed last year college internship at **Tata Consultancy Services, Pune**.(Jan 2013-Apr 2013)

**Personal Details:**

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| **Name** | Mahesh Jagannath Gavandar |
| **Date Of Birth** | **02 May 1990** |
| **Gender** | Male |
| **Permanent Address** | N-12, ED-17/4, Bharat Mata Nagar, Hudco, Aurangabad - 431003 |
| **Phone Number** | 9096148625 |
| **Marital Status** | Married |
| **Nationality** | Indian |
| **Languages** | English, Hindi, Marathi |
| **Passport** | N 2133844 |

**Declaration:**

I hereby declare that the information furnished above is genuine to the best of my knowledge.

**Place:** Pune  **Mahesh J Gavandar**

**Date:** 13th June 2018