**Pranay Saha**

[**saha.pranay25@gmail.com**](mailto:saha.pranay25@gmail.com)

**9916459669**

**What I do:**

I work on building of next-generation applications using cutting edge technologies that are highly productive, secure, fast & stable to handle a large amount of traffic.

**Skills:**

* **Expertise in** ​interacting with multiple services provided by AWS.
* AWS-S3 & EC2
  + AWS-Load balancer & Auto Scaling
* **Strong expertise**​in web application development using​**JAVA, Spring-Boot, Node.JS, Express JS, MYSQL, PostgreSQL**​,​**MongoDB**​.
* Strong expertise Hudson/Jenkins for Automating Deployments and providing an automation solution.
* Strong inclination towards engineering process with expertise on
  + **DOCKER** ​to run applications in light weighted containers.
  + **Jenkins** ​for automating the build process.
  + **NGINX**​for load balancing.
  + **AWS**​for cloud infrastructure & storage.
* Hands on experience on implementing CI/CD pipeline using & JENKINS.
* Proven experience on Branching, Merging, Tagging & Labelling concepts in ​**GIT**​.
* Working knowledge of ​**Containerisation** ​using ​**DOCKER**​.
* Good knowledge on deployment setup on Distelli.
* Good experience on Java Spring Boot, Groovy with Grails, ExpressJS.
* Hands on experience on MySQL, PostgreSQL.
* Experience in Object Oriented Concepts & Model View Controller concepts (MVC).

**Responsibilities:**

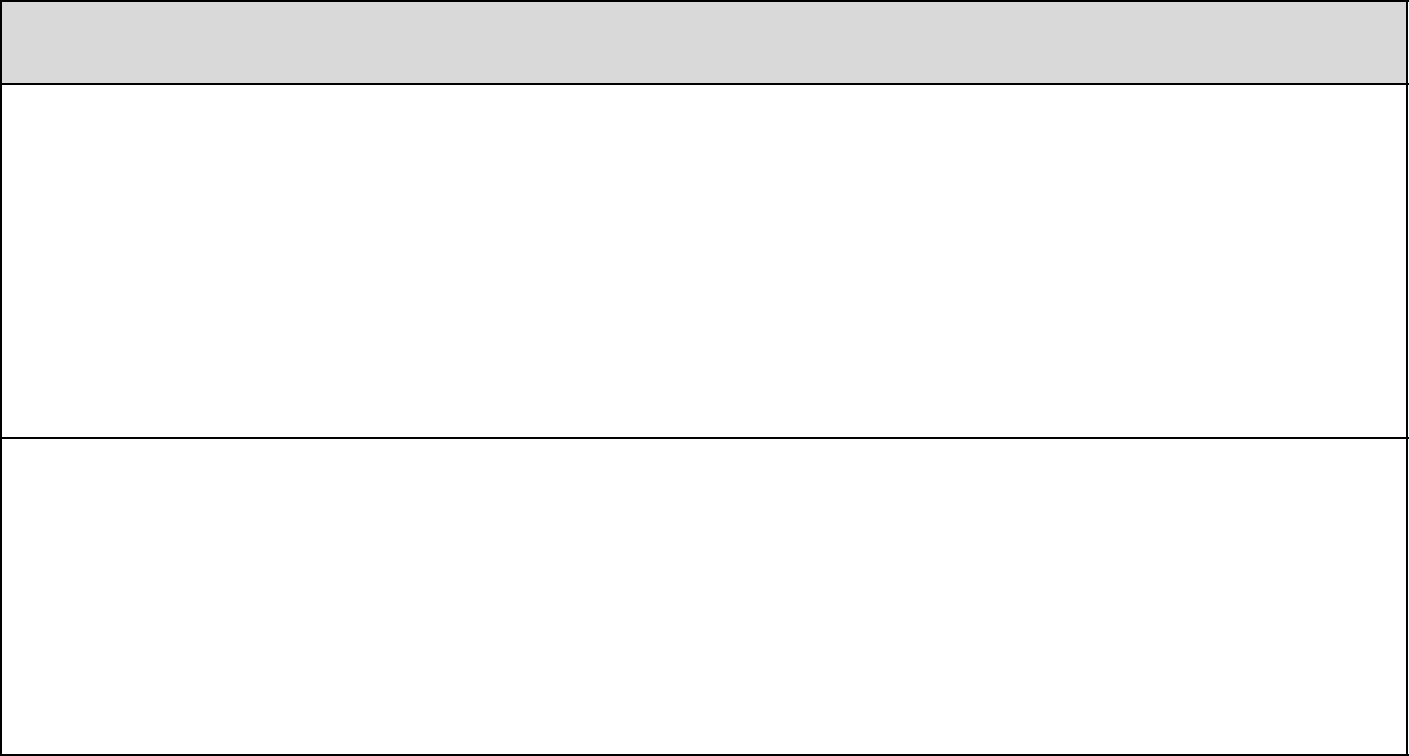
* Collaborate with stakeholders and teams for a seamless delivery.
* Build reusable code for future use.
* Worked independently as a team player and ability to work with distributed teams.
* Very familiar working on ​**Sprints**​and engaging with the stakeholders to deliver the work artifacts.
* Documentation of modules owned and delivered.

**Educational Qualification:**

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| --- | --- | --- | --- | --- | --- |
| **Degree** | **Discipline** | **Institute** | **Board/University** | **Year** | **% Gained** |
| B.Tech | ECE | MAIET | RTU | 2014 | 73.55 |
| SSCE | PCM | K V No 1 | CBSE | 2010 | 88.60 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SSE |  |  | K V No 1 |  | CBSE | |  | 2008 | 85 |
| **Skillset:** | | | |  |  |  |  |  |  |
|  |  | | |  | |  | | |  |
|  | **Operating Systems** | | | **:**​Windows, Linux(Ubuntu) | | | | |  |
|  | **Programming Languages** | | | **:** ​Java, NodeJS, Groovy | | | | |  |
|  | **Databases** | | | **:** ​MariaDB, MySQL, MongoDB, PostgreSQL | | | | |  |
|  | **Frameworks** | | | **:** ​Express JS, Spring-Boot, LoopBack, Grails | | | | |  |
|  | **SCM** | | | **:** ​GIT, Perforce, TFS | | |  |  |  |
|  | **Web Services** | | | **:** ​Rest | | |  |  |  |
|  | **Cloud Platforms** | | | **:** ​AWS-S3, AWS-RDS, Docker, Pivotal | | | | |  |
|  | **CI/CD** | | | **:** ​Jenkins, Distelli | | |  |  |  |
| **Work Experience:** | | | |  |  |  |  |  |  |
|  |  | | |  |  |  |  | |  |
|  | **Company Name** | | |  |  |  | **Duration** | |  |
|  |  | | | | |  |  | |  |
|  | Hashworks IT Services Pvt. Ltd | | | | |  | February 2016- till date | |  |
|  |  |  |  |  |  |  |  |  |  |

**Project Details:**



**ZestMoney Bot(ZMB)(Zest-Money)**

**Summary:**

“​​**ZestMoney Bot**​” is a product aimed to re-target customers who dropped off at any point of onboarding process and ask for rest of the requirements on Whatsapp via ​**ZestMoney** **Bot(ZMB)**​and onboard new customers.

ZMB facilitates the onboarding of customer without the actual interaction with web using the actively used social media.

**Technologies:**

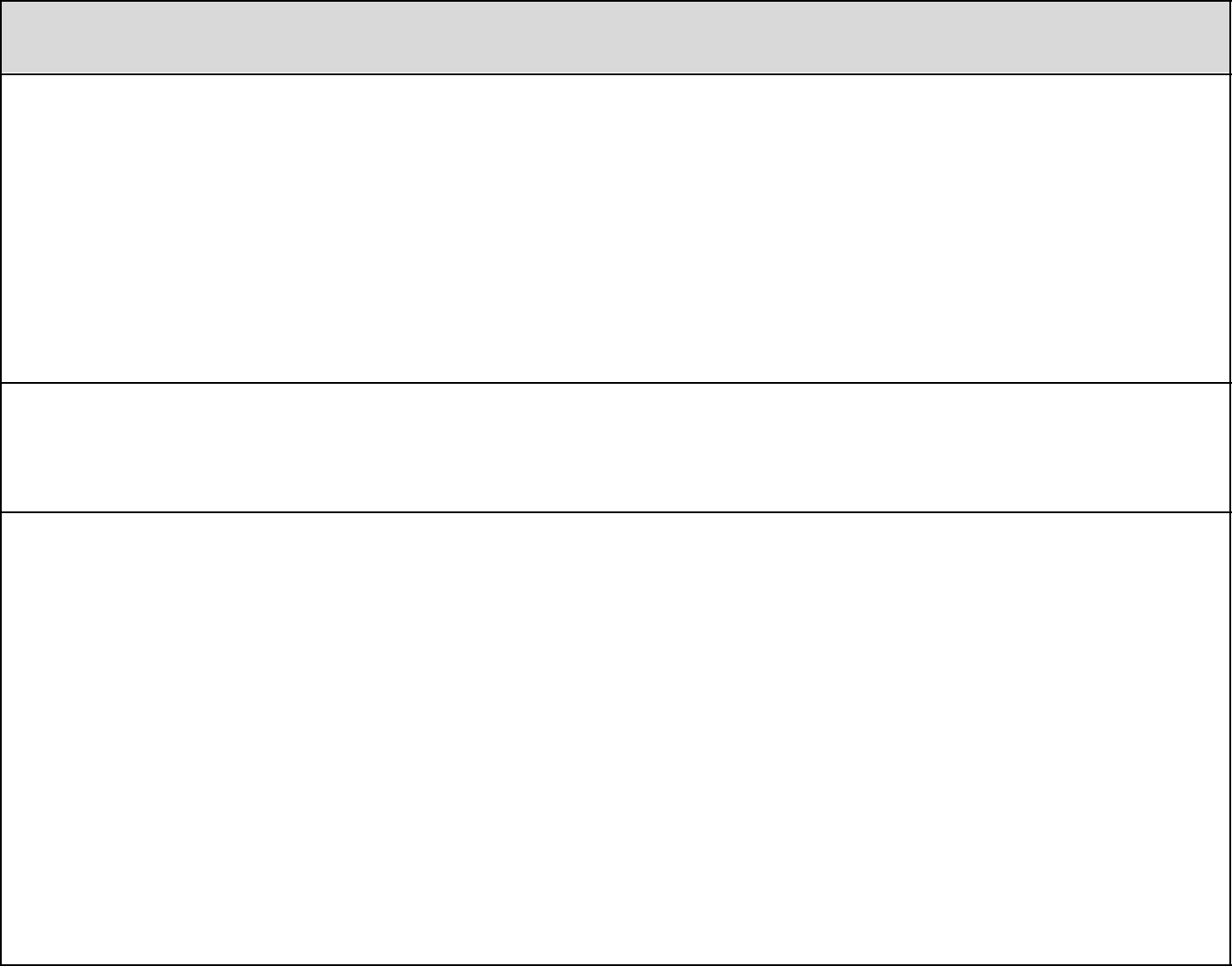
NodeJS, ExpressJS, Knex, AWS Cloud Infra- S3, EC2, RDS, ECS, Load-Balancer, Docker.

**Tools:**

​Bitbucket, New Relic, Sumo Logic, Kibana, Mambu, Salesforce, Infobip, Whatsapp

**Responsibilities:**

* Implementation of OTP module for signup and login.
* Creating story and task on JIRA and continuously updating it.
* Interact with the stakeholders for the priority task and flow
* Interact with the QA team for the fast release of the modules implemented.
* Interact with the Infobip client for the whatsapp communication.
* Integrate with salesforce for the daily update on due EMI amount and date.
* Code Refactoring.
* Monitoring the performance and memory utilisation and trying to optimize.



**Custodian Service Platform**

**Summary:**

“Custodian Service Platform” is a Hong-Kong based Fund House strategy to win high net worth individuals (their potential customers) whom they value the most. This platform will enable Fund House to safekeep its clients Crypto currency assets & manage the updates of their balances according to trading history. It is a complete transformation to how the policies and governance around crypto assets are managed and delivered for customers.

**Technologies:**

Java, Spring-Boot, AWS Cloud Infra- S3, EC2, RDS, CloudWatch, IAM, KMS, Load-Balancer, Auto-Scaling.

**Responsibilities:**

* Effort estimation for the modules owned & delivered.
* Building reusable code components and database design.
* Implementation of Multi-factor authentication (MFA) using Google Auth.
* Implementation of Role Authorisation for functionalities.
* Encryption and Decryption of blockchain keys and storing it using AWS KMS.
* Production level setup on AWS with load balancer, auto-scaling and security group enabled.
* Setup of Nginx as a reverse proxy with HTTPS enabled.
* Implementing different kind of load balancer and auto scaling group to achieve the seamless communication between microservices.



**Summary:**

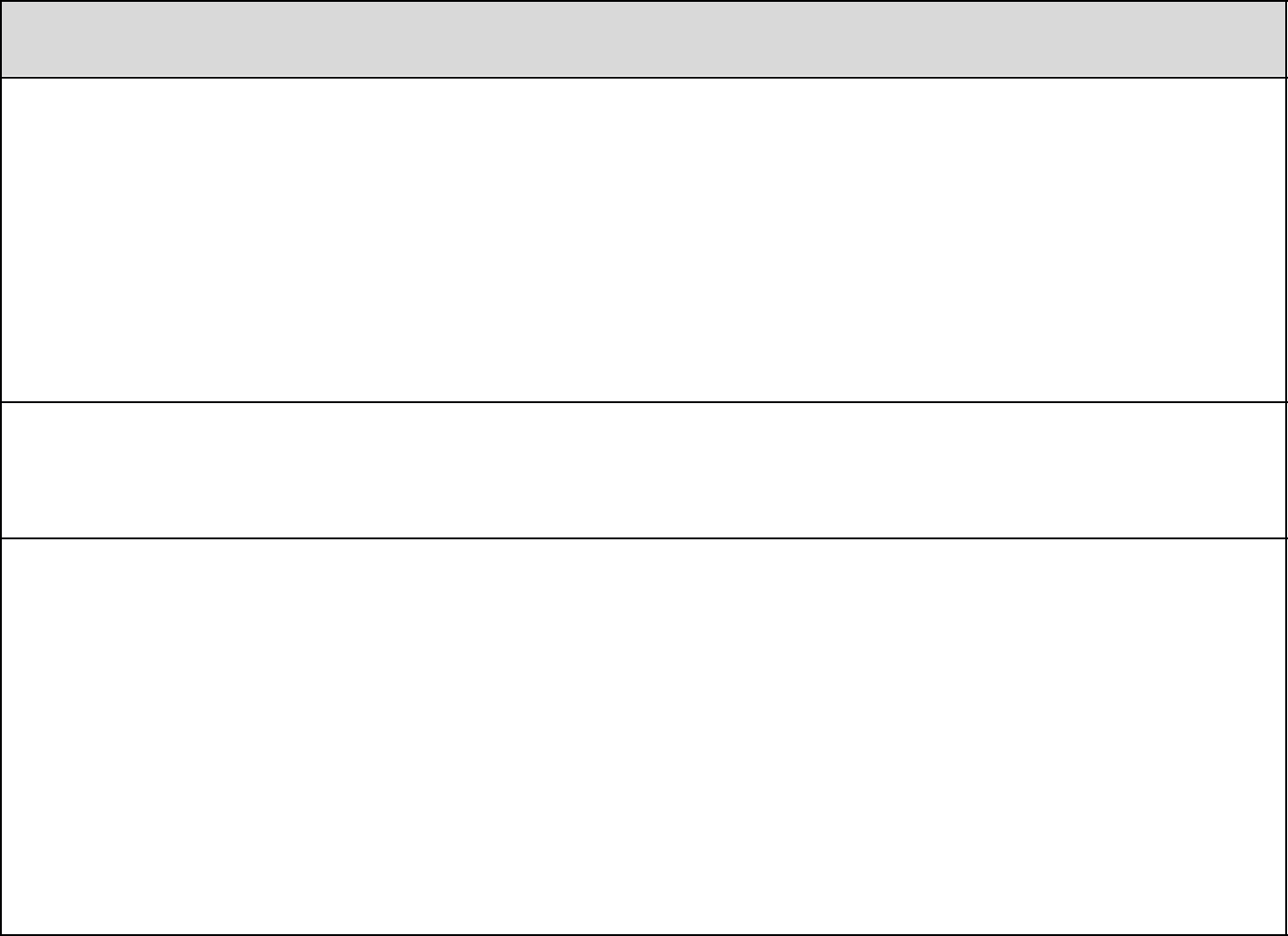
Execution engine is responsible for queuing orchestrating and execution of build, deploy and functional test scripts. It helps in throttling the incoming requests and managing the actual executions. It seamlessly provides a platform to integrate with Jenkins, Docker, Perforce, Selenium, UFT and API executions. Helps in replacing complex queuing logic written through the platform, in order to provide Queuing and execution of requests.

**Technologies:**

Jenkins, Docker, Perforce, MariaDB, Selenium, VMWare Job-Execution-API, JFrog-Artifactory, Pivotal, VMWare Nimbus

**Responsibilities:**

* Effort estimation for the modules owned & delivered.
* Build the complete Jenkins pipeline for Build and Test Execution inside Docker and VM.
* Building and optimizing the ​**Docker container image**​for build and test execution.
* Managed schedules and collaborated with different team working in the project.
* Implementing Master-Slave architecture in Jenkins.
* Setup of VM and Docker infra to execute jobs seamlessly.



**Bounterr (Entersoft)**

**Summary:**

Bounterr is a platform where Organization can on-board their application to be hacked to ensure the security of their application. The Hackers can Sign in into the application to hack and submit the vulnerabilities at given targets. There will be a fixed points/bounty to be credited to the Hacker post approval of a valid vulnerability. The platform has been designed to bring the white-hat hacker community together to test the application for security vulnerabilities.

**Technologies:**

Java, Spring-Boot, AWS Cloud Infra- S3, EC2, RDS, CloudWatch, IAM, Load-Balancer, Auto-Scaling.

**Responsibilities:**

* Effort estimation for the modules owned & delivered.
* Building reusable code components.
* Implementation of Multi-factor authentication (MFA) using Google Auth.
* Production level setup on AWS with AWS load balancer, IAM, Auto-Scaling.
* Seamless communications between API and Database with security enabled.
* Setup of CI/CD pipeline for production using Jenkins and Docker.
* Setup of Nginx as a reverse proxy with HTTPS enabled.

Regularly

**HashCentral (Hashworks)**

**Summary:**

Hashcentral is a distributed application, developed to maintain the details of employees working in an organization. It has been developed to override the problems prevailing in the practicing manual system. The objective of this project is to provide a comprehensive approach towards the management of employee information and helps management(HR department) to have a insightful resource management.

**Technologies:**

Groovy with Grails, MySQL, GIT, DigitalOcean, Apache-Tomcat, Nginx, AWS-S3

**Responsibilities:**

* Communicating and interacting on a regular basis with project manager during different stages of the project.
* Requirement analysis and API Documentation.
* Analyze the framework and design and create services accordingly.
* Built ER diagrams, schemas & DB objects.
* Created Stored Procedures and handle connection issues related to database.
* Deployment of the release code into Digital Ocean (cloud services)
* Configuring Docker for creating different containers for different services.
* Automated deployment using Distelli.
* Setup of Digital Ocean server with tomcat and NGINX.



**Frugal (Hashworks)**

**Summary:**

Cash-Flow Modeling Software. It is dedicated cash-flow Web app that allows the management to review company's cash flow in unlimited detail without hazzel. It has been developed to override the problems prevailing in the practicing manual system. Management can input financial information manually or from a spreadsheet to generate a cash-flow model that can be viewed day-to-day or in weekly or monthly periods. It offers a number of graphics and charts for visualizing how money moves in and out of your business.

**Technologies:**

NodeJS, Seneca JS, MySQL, MariaDB, Pivotal, AWS-S3, Chai, Mocha, Oracle-VM.

**Responsibilities:**

* Effort estimation for the modules owned & delivered.
* Communicating and interacting on a regular basis with project manager during different stages of the project.
* Requirement analysis and API Documentation.
* Built ER diagrams, schemas & DB objects.
* Deployment of the release code into Pivotal (cloud services).