# balachandar r

# E-Mail: balsit@gmail.com

# Mobile: +91 9345753592

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### Experience Summary

* Overall 6 years of IT experience in the field of software development in creating Web based Applications using **Kubernetes,AWS** and **Blockchain.**
* Implemented blockchain network in multi constortium and multi cloud.
* Experience in **Spring data Jpa, Maven, GIT, SVN, AWS DEPLOYMENT.**
* Hands on Experience in creating and customizing spring components, **Customs Form Validators.**
* Extensive knowledge of Front End Technologies: **ReactJs**, **JSP**, HTML, JavaScript, AJAX, Query, CSS, Bootstrap.
* Strong Troubleshooting and Analytical skills.
* Experience in deploying applications in **Kubernetes cluster**.
* Implemented **CICD** pipeline using **Jenkins**.
* Implemented **reverse proxy** and load balancing using **NGINX** server.

### Technical Skills

Frameworks : Spring Boot,JPA.

Programming Languages : Core JAVA, Nodejs, Reactjs.

Blockchain : Hyperledger fabric 2.2.

Database : MySQL 5.6, MongoDB

Tools : Netbeans, VS Code.

DevOps : Docker, Kubernetes, Jenkins.

Scripting : Linux shell scripting.

Cloud : AWS, GCP.

Proxy : NGINX, HAproxy.

### Academic Chronicle

B.Tech - Information Technology with 6.7%, 2012, Anna University, India

### Work Experience

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| --- | --- |
| **Secure Kloud Pvt Ltd** | Mar - 2018 – Present |
| **Flintobox** | Feb - 2017 to Feb - 2018 |

### Professional Experience

**Projects Handled:**

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| --- | --- |
| Project | Security & Traceability (Supply chain) |
| Company | Merck |
| Role | Blockchain Admin |
| Technical Environment | **Blockchain (Hyperledger Fabric 2.2), Nodejs Express, Kubernetes, Helm, Skaffold, EKS, Docker, Jenkins, Linux shell scripting.** |

**Responsibilities:**

* Implemented Hyperledger fabric network with two organization setup in EKS cluster.
* Implemented CICD pipeline for network setup using Jekins.
* Implemented external CA certificate for peer and orderer.
* Dynamically added organization in this consortium.
* Implemented monitoring tools using **Prometheus** and **Grafana**.
* Joined **Zuellig pharma** organization in this consortium.

**Projects Handled:**

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| --- | --- |
| Project | Blockedge.net |
| Company | Secure Kloud Pvt Ltd. |
| Role | Lead |
| Technical Environment | **Blockchain (Hyperledger Fabric 2.2), Nodejs Express, Kubernetes, Spring boot, Docker, Linux shell scripting.** |

**Responsibilities:**

* Blockedge is blockchain platform as service. Users can create their own network by Blockedge application.
* Dynamically creating Organization peer using AWS and GCP client NodeJS SDK for create, delete, start and stop instance.
* Setup Hyperledger blockchain using REST API calls.
* Handling smart contract with GO lang.
* Deploying application and microservices in **Kubernetes** cluster.
* Implemented load balancer using **NGINX** server.
* Implemented CICD pipeline using **Jenkins**.
* Implemented SSL certificate using **Certbot** with auto renewal.

**Projects Handled:**

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| --- | --- |
| Project | Cloud EzMFA |
| Company | Secure Kloud Pvt Ltd. |
| Role | Team Member |
| Technical Environment | **Spring Boot, Spring Security,Hibernate, Mysql, Linux.** |

**Responsibilities:**

* Set Multi Factor Authentication for AWS account using radius server.
* Fetch users from Active Directory and create MFA for those users.
* Managing logs to know user status.
* Deploying application and microservices in **Kubernetes** cluster.
* Implemented load balancer using **NGINX** server.
* Implemented CICD pipeline using **Jenkins**.
* Implemented SSL certificate using **certbot** with auto renewal.

**Projects Handled:**

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| --- | --- |
| Project | Flintobox.com |
| Company | Flinto Learning Solutions Pvt Ltd |
| Role | Team Member |
| Technical Environment | **Spring Boot,** Hibernate, J2EE, JSP, JavaScript, Maven, Bootstrap, JQuery, MySQL 5.6, java 7, Windows, STS. |

**Responsibilities:**

* Custom framework for implementing the ecommerce portal.
* Shipping integration with third party shipping vendors.
* Custom framework for Stock Maintenance, Order Management.
* Integrating with micro services like Active Campaign, Hubspot, Wistia (Third Party API).
* Creating user interfaces with jsp, bootstrap, and jQuery.
* Creating cache service to speed up the application (cache).
* Barcode Scanner and Printer Integration For invoice Generation.
* Custom Reporting Systems using MySQL procedures for data analytics.
* Custom Access control system for authentication using interceptors, filters.