**Sandeep G**

gwsandeep.aws@gmail.com

San Francisco, CA

**Professional Experience:**

* Seasoned IT professional with over **18+ years of experience** in designing, developing and supporting Java EE Applications with focus on Cloud, SRE
* Extensive experience working in various domains like retail, insurance, telecom, finance and payments industry.
* Experience architecting and developing applications on AWS. Experience with maintaining infrastructure using TerraForm and CloudFormation.

**Education**:

* **Bachelor of Computer Science |** **Jawaharlal Nehru Technology University, India** (2001 to 2005)

**Certifications**:

* **Sun Certified Web Component Developer**
* **Sun Certified Java Programmer**
* **AWS Solutions Architect Professional**
* **AWS Certified Database Specialty**
* **AWS Certified Security Specialty**
* **AWS Solutions Architect Associate**
* **AWS Developer Associate**
* **Datastax Cassandra Administrator and Developer**
* **Google Cloud Associate Cloud Engineer**

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**Skills Summary**

* **Programming languages:** Java
* **Application Servers:** JBOSS AS/EAP, IBM Web Sphere, Weblogic, Tomcat, Spring TC
* **Cloud:** AWS, GCP, Terraform, CloudFormation
* **Frameworks:** Spring MVC, Micronaut, Spring Boot, Spring Batch and Struts
* **Databases:** Oracle, DB2, Cassandra, Spanner, RDS & Aurora, DynamoDB
* **Web Services:** JAX RS RESTful, SOAP, Spring REST
* **Operating Systems:** Windows, Linux
* **IDE:** IntelliJ, RAD, Eclipse
* **ORM:** Hibernate, JDBC, JPA, Oracle Toplink
* **User Interface:** HTML, CSS, JavaScript, JSP, jQuery, JSON, Twitter Bootstrap, Mustache, Freemarker
* **Messaging Platforms:** Active MQ, Tibco, Kafka, Google Pub Sub, AWS SNS and SQS
* **External Tools:** Splunk, Dynatrace, Tridion Content Management System, Hybris e-commerce suite, Tealeaf, ClickTale, QuantumMetrics, Omniture Tagging, Coremetrics Web Analytics Tool, Solr Search Engine, Akamai, Google Stackdriver

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**Experience Summary**

**Architect/Senior Staff Developer**

**Bill.com |** **San Jose, CA** **| July 2022 - Till date**

**Key achievements:**

* + Worked on security platform for encrypting secrets in Cloud HSM and AWS Secrets Manager to comply with security requirements. Worked on Ansible scripts to work on configuration management.
  + Developed authorization server using Java Springboot and OAuth framework.
  + Developed AWS cloud formation templates and TerraForm templates for creating AWS ECS services deployed into AWS elastic container service running on Fargate as well as on EC2.
  + Architected and developed OAuth authorization server for authenticating resource owners from various applications and issuing tokens based on the authorization leveraging Java SpringBoot framework
  + Led multiple teams to integrate with the unified platform for authentication and authorization.
  + Worked on with modernizing the legacy application by breaking the monolith into microservices.

**Solutions Architect | Digital Native Business**

**Amazon Web Services |** **San Francisco, CA** **| Aug 2020 – July 2022**

**Key achievements:**

* + Educate and ensure success in designing, building and migrating applications, software and services on the AWS platform
  + Participate in deep architectural discussions, demos and design workshops to create solutions built on AWS
  + Provide in-depth knowledge of AWS services to customers and perform POCs for customer adoption and optimizing customer workloads
  + Work with customers in ensuring that architectural best practices are being followed based on the AWS Well Architected Framework pillars
  + Specialized in AWS Database services such as Dynamo DB, Aurora, RDS
  + Specialized in security in the cloud

**Lead Software Engineer| Catalog and Inventory Management**

**Macys.com & Bloomingdales.com |** **San Francisco, CA** **| Oct 2013 – Aug 2020**

**Key achievements:**

* + Design and develop catalog piece of the website which stores all product and category related data in Cassandra DB.
  + Designing and optimize real time consumption of availability data from backend Inventory system via messaging
  + Designed table structures, optimization of data reads and writes from Cassandra for the huge volume of product and availability data
  + Designed the batch job framework to upload catalog data into the database as part of daily recycle activities.
  + Developed REST services for the application’s clients to read/write data from Cassandra
  + Managed software engineers at both onsite and offshore and helped them take ownership and grow in their roles.

**Tech Lead| UI Framework Developer and CMS SME**

**StateFarm Insurance​** **|** **Bloomington, IL** **| Feb 2012 to Oct 2013**

**Key achievements:**

* + Responsible for designing the user experience framework to be used across the site along with the designing and maintaining the content management system. Working extensively on JS, jQuery, HTML 5, CSS, Twitter Bootstrap using agile methodology
  + Worked extensively on making the framework web responsive
  + Integral part of designing the content management system using SDL Tridion 2011 for the UI framework along with the static content pages used across the site. Working on blueprinting the structure in Tridion 2011 to migrate the content from Tridion 2009.

**Senior Software Engineer| e-commerce website full stack**

**Reebok** **|** **Canton, MA | Oct 2009 to Feb 2012**

**Key achievements:**

* + Development of Category, Search, Product detail pages end to end
  + Worked on custom Reebok application.

**Technical Specialist | Dealer Auction Website Developer**

**GMAC** **|** **Detroit, MI | Aug 2008 to Sep 2009**

**Key achievements:**

* + Developed Dealer and User home pages for the auction site
  + Involved in Data Model, High Level & Low-Level designs.
  + Involved in development/testing along with onsite/offshore coordination.

**Software Engineer | Self Service Portal**

**British Telecom** **|** **London, UK | May 2006 to Aug 2008**

**Key achievements:**

* + Developed Self Service Portal for users to view and pay bills
  + Worked on a white labeled site customized according to the requirements of various BT clients.