Dheeraj Mummareddy

Solutions Architect / Enterprise Architect

Innovative problem solver with hands-on approach to technical solutions. Focused on delivery of business value through effective architectural design. Skilled in cloud computing with experience in technical team management and developer mentoring. Earned a reputation for delivering large scale projects while staying in touch with low level implementation concerns.

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SKILLS

`Architectural Governance` `Service Oriented & Event Driven Architecture` `Domain Driven Design`

`Secure Cloud serverless solutions` `Cloud integration patterns` `Agile/SAFe Methodology` `Team Management`

`Developer Mentoring` `TOGAF Practitioner`

WORK EXPERIENCE

Director of Engineering
Marlette Funding LLC

12/2016 – Present   *Wilmington, Delaware*

Marlette Funding, through its consumer facing brand Best Egg, is a financial services technology company offers personal loans.

Achievements/Tasks

- Architected and led the team to a successful implementation of Loan Servicing Product (Customer Servicing Website, Interactive voice response, Communications), core platform and payments domain integrating with ACH (Automated clearing house) using NACHA
- Enterprise Architect for cards product and governed domain and enterprise APIs, to ensure adherence to standards and proper business capability encapsulation.
- Pioneered micro-services and cloud architecture at Marlette Technology, improving quality and quick delivery of technology solutions using Java, Spring Boot, Kafka, serverless, OAuth2 and various AWS services (EKS, DynamoDB, SNS, SQS, KMS, Cognito...).
- Standardized Continuous Delivery using chatops through slack, automating builds improving efficiency of delivering quality solutions in technology. Technologies used: TypeScript, Atomist (Software Delivery Machine), CircleCI, EKS (AWS managed Kubernetes), Slack.
- Launched and designed loan funding domain providing self-servicing capabilities to manage Investors and save operational costs. Technologies used: Back-end spring boot micro-services and front-end using Angular, Materials.
- Developed proof of concept applications to illustrate architectural intent and participated in code reviews and revisions.

Architect & Sr. Engineer
Nike

05/2015 – 12/2016   *Beaverton, Oregon*

Nike, Inc. is an American multinational corporation that is engaged in the design, manufacturing, and worldwide marketing and sales of footwear, apparel and accessories.

Achievements/Tasks

- Architected, designed and implemented product data hub which is a secured architectural pattern designed to scale across Nike and to provide standard domain data access patterns using AWS cloud stack. Technologies used: Spring boot, DynamoDB, AWS Lambda, AWS Kinesis/firehose, Elastic Search, Elastic Beanstalk
- Played a key role to successfully implement Footwear transition project to Cloud platform.
- Implemented CI/CD pipeline using Jenkins DSL.

WORK EXPERIENCE

Sr. Developer
Accenture

12/2014 – 05/2015   *Colorado*

Accenture is a multinational professional services company that provides services in strategy, consulting, digital, technology and operations.

Achievements/Tasks

- Designed and developed diagnostic engine which includes business artifacts (BPMN or workflows, rules). Technologies used: jBPM
- Developed REST Services for interacting with jBPM execution engine. API includes starting a process instance, managing process instance, starting a user task and managing the lifecycle of a user task and enabled LDAP integration.
- Designed and developed diagnostic engine REST services to reach out to other systems to gather information for workitem handlers.

Sr. Developer
Barclaycard US (Feb 2011 – May 2012, Feb 2014 – Dec 2014)

02/2011 – 12/2014   *Wilmington, Delaware*

Barclays US, backed by Barclays, a transatlantic consumer and wholesale bank with global reach.

Achievements/Tasks

- Apply re-write - Designed and developed microservices (origination, sanctions, decision, customer, account...) for the new apply process. Technologies used: Spring Boot, ActiveMQ, Kafka, PL/SQL
- Apply re-write - Worked on developing ESB WSo2 pass-through and transform proxies using legacy WSDL and xsd's which helped in minimizing client changes.
- Apply re-write - Developed new REST services using jersey which were consumed by proxy.
- Apply re-write - Migrated weblogic queues to ActiveMQ. Technologies used: Spring JMS
- TSYS card, account, customer services - Worked on developing framework for XMLM version of the TSYS packets.
- TSYS card, account, customer services - Migrated RTDS packets to XMLM TSYS card, account, customer services.
- Worked on authentication, pay credit card, account summary, email inbox, skip pay functionality for Mobile application.
- Apply process - Worked on the apply strategies customizing it based on partners.
- Apply process - Successfully launched Barnes and Nobles, Apple, Choice Hotels, Princess Cruise lines, Wyndham, Upromise partners

Developer & Sr. Developer
JPM Chase (Nov 07 – Jan 2011, May 2012 – Feb 2014)

11/2007 – 02/2014   *Wilmington, Delaware*

J.P. Morgan Chase & Co. is an American multinational investment bank and financial services.

Achievements/Tasks

- FAST Liquid Infrastructure - Designed and developed Rule Service REST API to separate out the decisions required for FAST liquid Infrastructure.
- FAST Liquid Infrastructure - Worked on integrating to the dependent systems (Approval central, IDBUS, xchange, vmware).
- FAST Liquid Infrastructure - Worked on developing services modules which manage user roles synchronously exposed through REST and asynchronously through apache qpid.
- FAST Liquid Infrastructure - Worked on developing JBPM process for VSI and oracle now builds.
- FAST Selenium Grid - Extended selenium source, added new functionality to grid (Super Hub), where Hub itself can be registered to a hub.
- FAST Selenium Grid - Worked on Node services, which automates and acquires ATC (windows) machines with a predefined blueprint of a selenium node and registers nodes to Hub.
- FAST Selenium Grid - Worked on Hub services which includes siteminder (SSO) authentication.
- Dispute Service - Developed a framework for capturing transaction failures, which was used by dispute service and retry failed transactions systemically using reflection.
- Dispute Service - Developed API's for dispute service which handles/managing transaction disputes.
- EPay - developed epay service to manage payments for chase credit card integrating with ACH (Automated clearing house) through NACHA

WORK EXPERIENCE

Developer
Genpact

06/2005 – 09/2007   *Hyderabad, India*
Genpact is a global professional services firm delivering digital transformation by putting digital and data to work to create competitive advantage.
Achievements/Tasks

- Expeditor Business Process Management - Hand-on development of the base BPM product and helped rollout following processes.
- Galileo Associate Evaluating System - Defining Generic Business logic using iLog rule engine for IT Services, which reduced lot of time for churning out rules for Genpact.

PERSONAL PROJECTS

maskit-log4j2
- https://bitbucket.org/smart-codemonkeys/maskit-log4j2/src - Personally, identifiable information can be used to identify or locate a single person or to identify an individual in context. Although encryption techniques are available to protect PII information at rest and transit, there are large amounts of data being logged and it is important to mask sensitive data.

serverless - java design pattern
- https://github.com/iluwatar/java-design-patterns/tree/master/serverless - contributed to java design community on how to implement back end as a service and function as a service using AWS lambda and serverless

EDUCATION

Bachelors in computer science
Jawaharlal Nehru Technological University, India

05/2001 – 05/2005

TECHNICAL SKILLS

Skills   AWS cloud stack, Java/J2EE, Typescript, groovy, spock, Mockito, JUnit, Selenium, PL/SQL, NoSQL (MongoDB/DynamoDB), Spring boot, Angular, Python, Terraform, Secure Cloud serverless solutions, Cloud integration patterns, Secure SaaS solutions, Real-time messaging and streaming (Kafka, Kinesis), ActiveMQ, Automation testing, Automation testing, cucumber and geb

ACHIEVEMENTS/CERTIFICATIONS

Scaled Agile Framework SP
The SAFe practitioner certification provides a comprehensive understanding of Agile for all team members, including project managers and IT professionals a like.