**ASHISH NARANG**

**Professional Summary**

Java Architect with over **16 years’** experience of designing, developing and deploying architectures and infrastructure for software applications, and big data analytic systems. Possessing a proven ability to lead project teams to successfully deliver agreed upon solutions of the highest quality, often in complex and challenging customer environments.

Able to successfully build strong working relationships with team members and clients.

Ability to perform well under high workload and use previous experiences for effective results. Pursuing TOGAF and ITIL Certifications.

**Training and Certification**

* PL/SQL training from SQLStar, India
* Finance 101 from Wipro Technologies, India
* Estimation Techniques training from Wipro Technologies, India
* Liferay 6 training from Bluestar, India
* Agile Methodologies training from Mastek, India
* Angular.js training from Mastek, India
* Hadoop and Spark training from Mastek, India
* Certification for Reactive Architecture from Lightbend Academy

**On site Experience**

* **Various Clients (UK, Japan, Austria) work Experience** in different roles.

**Professional Experience**

* Working as a **TECHNICAL LEAD** in ACCION LABS from September 2018
* **Technical Architect** - **Capiot Systems** Mumbai, India from March 2018 to August 2018.
* **Technical Specialist** - **Mastek Ltd** Mumbai , India from April 2016 to May 2017.
* **Specialist Systems Designer** - **Arrk Solutions** Mumbai, India from September 2013 to October 2014
* **Technical Lead** - **Creative IT** Mumbai, India from Oct 2010 to Dec 2011.
* **Technical Lead** - **Wipro** Pune, India from Nov 2005 to May 2008.

**Educational Qualification**

1999, **B.E** (**Electronics**) **(60%)** from Mumbai University, Thadomal Shahani College of Engineering, Bandra, Mumbai, Maharashtra.

1995, **Higher Secondary School Leaving Certificate** – (**82.83 %**) **Distinction** from Maharashtra State Board, V.G. Vaze College, Mulund, Mumbai.

1993, **Secondary School Leaving Certificate – (81 %) Distinction** from Maharashtra State Board, Sampson English High School, Mulund, Mumbai.

**Technical Skills:**

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| --- | --- |
| Language and Tools | **Java, HTML5, JavaScript, Angular, UML, REST, JQuery, Ajax, JavaFX, Scala API for Spark** |
| Platform/Framework | **J2EE, SPRING, SPRING-MVC, Spring Boot, Dropwizard, Liferay, JSF, AWS Components–ECS and Lambda, JMS, Active MQ, Android SDK, Xamarin,**  **Selenium, Junit, Apache Spark (Java and Scala), Hive, Hadoop, Horton works, Zeppelin Notebooks** |
| Database | **MSSQL, MySQL, Dynamo DB, Oracle DB, MongoDB, Postgres SQL** |
| O-R Framework | **Hibernate, JPA** |
| O/S | Windows, Unix, Linux, Ubuntu |
| IDE | Eclipse, Android Studio, IntelliJ IDEA |
| Process / | **Agile, TDD, Scrum, Lean Approach**, Waterfall |
| Others | CSS, Jenkins **CI, Docker, Swagger**, JBoss, Tomcat, WebSphere, Testing Automation, JMeter**, Jasper, D3JS, BIRT, Terraform** |

**Domain / Functional :** Retail, Banking, Utilities, E-signing

**Projects**

**Project: SCA Platform, Registry Services**

**Client:** Veracode Inc, USA

**Duration:** Sept 2024 - June 2025

**Role:** Technical Anchor

**Team size: 5**

Technical Skills: Java, Spring boot, Postgres SQL, AWS Cloud Framework Components, Elastic Search, React, Kubernetes + Docker, Helm Charts, Gitlab pipelines., GPT APIs, LangChain

Project Overview: Re-architecture of Software Composition Analysis (SCA) platform to identify and mitigate software supply chain risks. Introduced LLM-assisted automation for vulnerability data enrichment.

A project focused on a mission-critical re-architecture of a Software Composition Analysis (SCA) platform to identify and mitigate software supply chain risks.

• Developed integration services consuming GPT-based APIs to summarize vulnerability descriptions and enhance search metadata.

• Contributed to registry enrichment workflows combining static analysis with AI insights.

• Worked on REST APIs delivering both system and AI-enhanced data to React-based front-end.

• Ensured secure tokenized access to LLM endpoints within AWS-based environment.

**Responsibilities:**

Led the analysis and enhancement of the SCA registry module, aimed to register important vulnerability data used to identify and mitigate software supply chain risks.

Led the integration to ingest malicious package related information from external third-party systems.

Played a pivotal role in high-level architecture discussions for SCA registry services orchestration, while proactively identifying and resolving critical technical risks and application performance bottlenecks.

Utilized MongoDB for data persistence and designed REST API endpoints to efficiently serve processed data to UI components developed using React.

**Project: COD Migration, SP(Warranty) Migration**

**Client:** Cinch US, USA

**Duration:** Mar 2024 - July 2024

**Role:** Technical Lead

**Team size: 5**

Technical Skills: Java, Spring boot, Postgres SQL, AWS Cloud Framework Components, Angular 17., GPT APIs

**Product Overview**:

Cinch is working on building an Agent platform to work on warranty products for home appliances. It uses various internal projects to bring together a hybrid system, connected through microservices, which talk to each other within the system’s business domain, and integrate with external systems like TIMX, Service bench and Sears’ retail platform.

• Integrated GPT-based service to auto-generate summaries and classify warranty tickets.

• Enhanced documentation generation using LLM-powered tools.

• Supported the design of semantic APIs for intelligent data lookup and knowledge retrieval.

**Responsibilities:**

Functional design, work breakdown and estimates (Duration/Efforts), and planning for the upcoming system application migration projects, viz. Cinch on Demand.

Individual Contributor for the existing Projects, viz. Migration of existing systems like SP(Warranty) from Medix platform to Angular based UI.

**Project: Rights Cloud**

**Client:** Fadel Inc, US, USA

**Duration:** Mar 2023- Feb 2024

**Role:** Technical Lead

**Team size: 7**

**Technical Skills:** Java, Spring boot, Postgres SQL, AWS Cloud Framework Components, Jenkins CI, Angular 12, Spring MVC.

**Product Overview**:

Fadel is working on building a Content and Rights Management platform to work on Digital Assets as a part of their Digital asset management Suite (DAM). The platform manages millions of assets in the form of Videos, Images text files, etc for their customers, in a tenant based Authorization system.

**Responsibilities:**

Functional design, work breakdown and estimates (Duration/Efforts).

Planning and tracking of individual services, and internal components, inside scrum methodology, and finally into Sprints.

Point of contact and Mentor for offshore development team, for the Rights cloud team.

Lead the Development and Integration activities for the Rights Cloud team.

**Project: Notifications, Parts Tracking, Voice Interactive and Enrollment Data Migration**

**Client:** Cinch US, USA

**Duration:** Jun 2020 - Dec 2022

**Role:** Technical Lead

**Team size: 10**

**Technical Skills:** Java, Spring boot, Postgres SQL, AWS Cloud Framework Components, Kafka event streaming, Jenkins CI and Terraform, Angular 9.

**Product Overview**:

Cinch is working on building an Agent platform to work on warranty products for home appliances. It uses various internal projects to bring together a hybrid system, connected through microservices, which talk to each other within the system’s business domain, and integrate with external systems like TIMX, Service bench and Sears’ retail platform.

**Responsibilities:**

Functional design, work breakdown and estimates (Duration/Efforts).

Planning and tracking of individual services, and internal components, inside scrum methodology, with a mix of Kanban and Sprints.

Point of contact and Mentor for offshore development team, for Architecture and Jaguar team.

Lead the Development and Integration activities.

CI, CD and Distributed Deployment Setup, in collaboration with the dedicated Devops team.

**Project: C1V, Major Accounts and Enhanced Customer Portal**

**Client:** American Waters, USA and Apporchid, USA

**Duration:** Sep 2018 - April 2020

**Role:** Technical Lead

**Team size: 15**

**Technical Skills:** Java, Spring boot, Postgres SQL, AWS Cloud Framework Components, Kafka, Horton works Platform, Scala API for Spark, Zeppelin, Hive Views, Jenkins CI, Angular 5.

**Product Overview**:

Apporchid is building state of the art platforms for usage analytic targeted to capture user behavior, where user can take form of a customer, service representative or any front-line employee, or even back-end users. This platform has various components that come together to provide the various features in terms of Big Data Analytic, Machine Learning and Artificial Intelligence. The platform is used to build the next generation digital platform applications envisioned by American Waters. C1V is the back-end application for bringing individual customer data at a focused point, whereas Major Accounts Application augments C1V features by providing access to Data dedicated to Major Corporate Level Accounts.

**Responsibilities:**

Functional design and estimates (Duration/Efforts).

Technical Point of contact and Mentor for offshore development team.

Lead the Development and Integration activities.

CI, CD and Distributed Deployment Setup.

Data Synchronization between Horton works and Relational DB Stack, using batch jobs based (Data Loads) on Apache spark, written in Scala API for Spark.

Customization and Verification of Data Loads.

Ownership and Governance of the Data Model for the Application.

**Project: C&K Travelogix**

**Duration:** May 2018 till Jul 2018

**Role:** Technical Architect

**Team size:** 30

**Technical Skills:** Java, Spring boot, Mongo DB, Postgres SQL, AWS Cloud Framework Components, NodeJS, Jenkins CI, Kafka

**Product Overview**:

Travelogix is the next generation travel and booking platform envisioned by Cox & Kings. This platform has various systems that come together to provide the customer and end user with unparalleled booking and travel planning convenience. The platform is made up of several moving parts each handling a several business process. Business entities included as a part of this platform are MDM, Caching, Rule Engine, Finance and Operations.

**Responsibilities:**

System Architecture and Structural Design Functional design and estimates (Duration/Efforts) Framework design and Implementation Development and Integration

CI, CD and Distributed Deployment Setup

**Project: JIO Launchpad**

**Duration:** March 2018 – May 2018

**Role:** Technical Architect

**Team size:** 5

**Skills Used**: Java, Spring boot, Mongo DB, HEAT API for Openstack, AngularJS, Docker, Jenkins CI, Kafka, Spark, Open Service Catalog Manager

**Product Overview**:

Reliance Jio Limited (hereafter referred as Jio) are in the process of automating the provisioning of infrastructure and automated creation of virtual machine for non-production environments. This platform allows a developer to gain access to a development environment using a self-service browser-based user interface for non-production environments. This is done by Developing a console that will integrate and automate the current JAWS APIs to provision Compute/Network/Storage.

**Responsibilities:**

Solution Design and Proposal

System Architecture and Structural Design Functional design and estimates (Duration/Efforts)

**Project: FTO Platform**

**Duration:** April 2016 – May 2017

**Role:** Technical Specialist

**Team size:** 15

**Skills Used:** Java, Dropwizard, Dynamo DB, AWS Cloud Framework Components, AngularJS, Docker, Jenkins CI, Spark-Java, Hive, D3JS

**Product Overview**:

Morrisons’ Food to Order Platform is a drive to align its Christmas food ordering retail channel with the company's strategic goals. It is a robust micro-service-based solution hosted on the Amazon Cloud platform, which is the backbone serving both web and in store interfaces. It Enables in-store colleagues to move away from a Mainframe interface for customer orders for in-store collection - capitalizing on the existing supply chain and fulfillment processes. It is designed for reuse in other seasonal and specialty catalogues such as Easter, Party Zone, spring, summer, etc. It also provides analytical reports built over Big Data Analytics.

**Responsibilities:**

System Architecture and Structural Design Functional design and estimates (Duration/Efforts) Hadoop Cluster Planning and Setup

Data Ingestion using Spark-Java

Framework design and Implementation Development and Integration

CI, CD and Distributed Deployment Setup.

**Project: EGenius Labs - App Development: Mobile Apps & Games, BI Visualization Platform Duration:** Oct 2014 till Mar 2016

**Role:** Technical Architect/ Designer/ Developer

**Team size:** 5

**Skills Used:** JavaFX, Apache-Drill, Spark-Java, Xamarin, Play Framework, Unity IDE, C# Scripting, MySQL, Amazon Web Services, Mongo DB, Jenkins CI, Ansible.

**Product Overview:**

BI Visualization Platform using JavaFX, Apache Drill, Spark-Java and BIRT A News Application in Android and Play Framework

10 Word based Games using Xamarin.

3 Match-3 based Games, Poker game using Unity and C# Scripting (For Android and IOS)

**Responsibilities:**

System Architecture and Structural Design Functional design and estimates (Duration/Efforts) Hadoop Cluster Planning and Setup

Framework design and Implementation Development and Integration

CI, CD and Distributed Deployment Setup.

**Project: Product Development: IOCS Platform**

**Duration:** Oct 2013 – Oct 2014

**Role:** Specialist System Designer

**Team size:** 20

**Skills Used**: Java, J2EE, JPA, SPRING Webservices, JavaScript, jQuery, XSLT, Ajax, MSSQL, Amazon Web Services, Amazon SQS, Amazon CloudWatch, SolarWinds SAM, Jenkins CI, Apache Spark, Hive, Mongo DB, Jasper Reports.

**Product Overview:**

IOCS is the world’s first modular, cloud-based SaaS incorporating all the components necessary to facilitate the automated, interparty execution of enforceable [complex agreements.](http://iocs-systems.com/about-us.html) Clients use the IOCS service in any combination of modules depending on their requirements and existing capabilities. IOCS is the most legally robust means of electronic agreement processing commercially available anywhere in the world.

**Responsibilities:**

System Architecture and Structural Design Functional design and estimates (Duration/Efforts) Hadoop Cluster Planning and Setup

Framework design and Implementation Development and Integration

CI, CD and Distributed Deployment Setup.

**Project: Product Development:** Spectrum, Helios (Mobile App)

**Client:** Premaman Stores (Belgium)

**Duration:** Oct 2010 - Dec 2011

**Role:** Java Tech Lead

**Responsibilities:**

Functional design and estimates (Duration/Efforts) Framework design and Implementation Development and Integration

CI, CD and Distributed Deployment Setup.

**Project: Cross Channel Transaction Monitoring**

**Client:** Lloyds Bank PLC (London)

**Duration:** Oct 2007 – May 2008

**Role:** Technical Lead

**Responsibilities:**

Functional design and estimates (Duration/Efforts) Framework design and Implementation Development and Integration

**Project: Product Development:** Equirion

**Client:** CPB Software AG (Austria)

**Duration:** Apr 2006 – Sep 2007

**Role:** Technical Lead

**Responsibilities:**

Functional design and estimates (Duration/Efforts) Framework design and Implementation Development and Integration

**Project: Workflow - Rules Engine**

**Client:** New Citi Corp (Japan)

**Duration:** Feb 2006 - Mar 2006

**Role:** Technical Lead

**Responsibilities:**

Functional design and estimates (Duration/Efforts) Framework design and Implementation Development and Integration

**Project: Contact Portal**

**Client:** Fifth Third Bank, USA

**Duration:** Nov 2005 - Jan 2006

**Role:** Technical Lead

**Responsibilities:**

Functional design and estimates (Duration/Efforts) Framework design and Implementation Development and Integration

**Project: Bacstel-IP(NewBacs) Client:** Barclays PLC, UK (London) **Duration:** April 2004 – December 2004

**Role:** Lead Developer

**Responsibilities:**

Development and Integration

**Project: Quotes Engine**

**Client:** GM, Detroit USA

**Duration:** January 2003 – March 2004

**Role:** Systems Analyst

**Responsibilities:**

Development and Integration

**Project: FOS**

**Client:** AFL, Mumbai

**Duration:** August 2001 – December 2002

**Role:** Senior Developer

**Responsibilities:**

Development and Integration

**Project: NINA**

**Client:** Systemax, NJ USA

**Duration:** April 2000 – July 2001

**Role:** Systems Engineer

**Responsibilities:**

Development and Integration

**Freelancing Assignments:**

**Duration:** June 2008 – August 2010, January 2012 – April 2013

**Role:** Developer, Designer, Architect.