

SHIRISH PATIL

Solution Architect

PROFILE

Solution Architect with over 13+ years of experience in Java8, J2EE, JavaScript and Cloud technologies.

SKILLS

- Java8, Spring Boot, Spring Integration, Spring Batch, JPA/Hibernate
- Node Js, React JS, Bootstrap JS, jQuery
- AWS cloud services like S3, SSM, Lambda, SQS, Cloud, Docker, Kubernetes
- AGILE SDLC processes: SCRUM, TDD (Test Driven Development), DDD (Domain Drive Development), Continuous Integration and delivery.

CONTACT

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EDUCATION

Navi Mumbai High School

2000-2001
SSC: 82.13%

Modern College

2002-2003
HSC: 80.5%

ACP College of Engineering, Mumbai University

2003-2007
BE, EXTC: 68%

CERTIFICATION

- NCFM Certification - Financial Markets (93%)
- NCFM Certification - Derivative Markets (91.25%)
- OCA 11G Z051 (92%)
- Edureka AWS Technology Architect Training (15days)

AWARDS

- Polaris GEM excellence award (2009): Awarded for excellences and timely delivery of projects
- TCS Spot award (2010): Awarded for timely delivery of projects
- Citibank Spot Award (2012): Awarded for performance and innovation.
- Capgemini Innovative Breakthrough award (2016): Awarded for using an innovative approach to develop the project and lead the team.

WORK EXPERIENCE

Principal Software Engineer, Calypso (now Adenza), 6th Sep – Till date

Project: RD Engineering

Team size:10

Project Description:

Calypso is a turnkey platform for treasury management and trading. It's used by many financial institutions for various investment and corporate banking functions. The RD Engineering team maintains many non-functional modules of Calypso e.g., Data Server, Risk Server, Event Server, Authentication server, Microservice framework, etc.

Technologies:

Java8, Spring Boot, Gradle7, JMS-Active MQ, Docker, Kubernetes, Kerberos, LDAP, OIDC, Java-Swing, Angular

Responsibilities

- Work on product enhancement or bugs reported by clients.
- Work on product modernization projects. Product is being moved to the spring boot stack with microservice architecture.

Software Engineering Lead, Morningstar, Mumbai, June 2019 – Till date

Project: Data Collection

Team size: 100+

Project Description

Data Collection platform is used for collecting market data of many asset classes like Equities, Funds, ETF and Trusts. It consists of multiple subsystems and some of these systems use advanced AI and ML techniques for data parsing and transformation. This data is used by the data analysts for providing wealth management and financial advisory services to many financial companies and investment banks.

Responsibilities

- Worked on design and development of components using Spring Boot frameworks and AWS services like S3, SNS, SQS, Lambda and cloud watch.
- Worked on DEVOPS tasks to streamline automation of build and deployment of new projects. Migrated AWS Code Deploy and Spinnaker pipelines to Jenkins Cloud beans.
- Working on project for migrating background jobs to Kubernetes Jobs
- Conducted POC's using ELK stack, React JS and Node JS for real time search dashboard.
- Worked on AVRO message schema and code changes for Kafka messaging components.
- Managing and leading a team of 8+ developers.

Solution Architect, Verinon, Kuala Lumpur, April 2018 – April 2019

Client: Maybank, Kuala Lumpur

Project: Digital Banking

Team size: 50+

Project Description

Maybank Digital Banking platform provides banking services for different channels like mobile, internet and POS/Terminal. RMBP is the retail banking app providing banking functionalities like fund transfer, QR pay, fixed deposit and online loan application.

Technologies

Java, J2EE, Spring Boot, Spring Integration, Hibernate, JavaScript, Ext JS, Jenkins, Maven, IBM MobileFirst, IBM MQ-Series, Plant UML, Swagger, JMETER

Responsibilities

- Worked on RMBP project which is the retail banking app providing banking functionalities like fund transfer, QR pay, fixed deposit and online loan application.
- Developed QR based payment system from scratch and worked with different vendor teams for integration with these with POS terminal systems.
- Worked on development of new Digital Banking Platform for Maybank Singapore from scratch.
- Worked on projects for performance tuning of backend systems using spring integration and caching frameworks.

Project Lead, Capgemini, Bangalore, April 2016 – Feb 2018,

Client: Unilever, Bangalore

Project: Competition & hygiene audit web tool

Team size: 10+

Project Description

Unilever CHAT (Competition & hygiene audit web tool) is used to generate reports and review the accuracy of its product information on all the major ecommerce portals like Amazon/Flipkart etc. It also

enables automatic verification of its banners, images, and rating comparison on various sites.

Technologies

Java, J2EE, Spring Boot, Hibernate, Angular JS, Bootstrap JS, RGRAPH, Selenium, Python, Scrappy web crawler framework, XPATH, XQuery, Jenkins, Maven, Docker, OCR engine- TESSERACT, Ansible, AWS

Responsibilities

- Worked on development of web tools from scratch for Unilever's ecommerce portal.
- Developed python-based web crawler using scrappy framework and selenium web driver plugin.
- Spring boot micro services for backend services for image comparison, OCR text recognition and audit report generation.
- Used Angular JS & other JavaScript libraries like Bootstrap, RGRAPH for UI development.
- Created CI/CD pipeline for deployment on AWS.

Lead Developer, Genpact, Hong Kong, March 2014 – April 2016

Client: Goldman Sachs, Hong Kong

Project: Middle Office

Team size: 100+

Project Description

Middle office systems (Hydra, Trade Collector and Titan) are responsible for trade booking, settlement and confirm generation. The salient features of the systems are cloud architecture, custom cache, and persistence framework, JMX metrics for capacity monitoring.

Technologies

Java, spring, Hibernate, TIBCO Messaging, Sybase, Perl, Maven, SVN, and Team city, Drools, Multithreading, Struts

Responsibilities

- Developed and modified system for adding and modifying complex Trade booking flows.
- Handled critical projects with no margin for error e.g. Stock Connect Trade project, GST charge addition.
- Extensive coding on multithreading and messaging.
- Provided technical support to operations team and helped them fix and work around various complex production issues in tight SLA.

Sr Developer, Polaris, Mumbai, Singapore, April 2011 – Feb 2014, Oct -2007 – Apr 2010

Client: Citibank, Singapore

Project: Middle Office

Team size: 50+

Project Description

CitiLDAP and CitiSAFE are Security Management Systems which offer Primary and Multi-Factor Authentication services to Corporate Banking and LCB Businesses Customers of Citibank in the APAC Region.

Technologies

Java, J2EE, Oracle, LDAP, Apache Axis2, Struts, Perl, Web sphere, I planet, AIX, SOLARIS.

Responsibilities

- Worked on development of Safe word device pin-based authentication REST and SOAP services for Citi SAFE application.
- Worked on integration and upgrade of multifactor authentication toolkits like RSA Safe word, Machine Tagging, Vasco OSD (Hardware Token), HSM etc. APIs for CitiLDAP.
- Development of UI screens using struts and JSP, jQuery
- Prepare UNIX scripts and Java utilities for testing, environment setup, automation etc.
- L3 support – Bug fixes, Assist in DB/platform migration and COB.

System Engineer, TCS, Mumbai, May 2010 – April 2011

Client: National Stock Exchange, Mumbai

Project: FOCASS

Team size: 20+

Project Description

Futures & Options Clearing & Settlement System (FOCASS). The functions of systems are: Generate Future and Options Contracts, Position calculation for all the clearing members/firms trading in NSE. Clearing and settlement of the daily trades done by clearing members, Margin calculation for all the clearing members to trade in derivative market, Sigma cost calculation for stocks and indices and enlisting the stocks indices eligible for derivative market

Technologies

Java, C++, Oracle Forms and Reports, PLSQL

Responsibilities

- Design and development of programs in C++, Java and PL SQL on UNIX and Windows platforms.
 - Design various test environments, test cases, UTP etc. Unit Testing, System Integrated Testing, and Integrated Unit Testing
- Adherence to quality processes, Product release to the client Code maintenance using version control tool, Issue maintenance using issue-tracking tool