

# VIJAYENDRA MUDIGAL

“Software Architect” having more than 15 years of experience transforming developers into leaders, architecting scalable and resilient applications and building end to end systems.

Experience hiring, recognising and nurturing talents, delegating work fairly whilst providing timely feedbacks. Building a positively fun, open and proud team culture, gaining exposure to multi-cultural environments, from start-ups to large scale enterprises.

## Experience

Proficient in setting up new teams, building proof of concepts, creating development environments with necessary infrastructure, defining “CI/CD” setup for new applications.

Authored open-source projects such as “ngx-audio-player”, an angular 7+ based audio player library, “microservices-sample” and “hello deployment”, an architectural referral projects that has been and is being referred by many individuals and organizations.

### Architect, Freelancer

January 2021 – Present

Projects: <https://www.uncork.com>,  
<https://www.streeteatseatory.com>,  
<https://www.fritsgo.com>,  
<https://www.austinrolls.com>,  
<https://www.venkateshwarainstitute.com>,  
<https://www.venkateshwaraeastgateprop.com>

- Chief Architect at Canadian based stealth start-up developing mobile based application that focusses working on self-goals with accountability.
- Architected, designed & developed multiple web applications for clients in Food & Beverages, Education, Real Estate, Delivery, Solar Energy Supplies, Photography, Medical Supplies etc.

### Technology Manager, Publicis Sapient

October 2018 – December 2020

Project: Talent Management Platform

- Helped the team solve problems reducing the OPEX by around £20.8 million per annum in one of the major sectors of Digital Transformation by automating talent sourcing, onboarding and nurturing process using AI, ML, RPA etc.
- Worked with multiple clients such as “Virgin Money” and “Lloyd’s Banking Group” to implement their business needs.

**Company:** <https://www.mudigal.com/project/list>

**Personal:** <https://vijayendra.mudigal.com>

**GitHub:** <https://www.github.com/vmudigal>

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### Software Architect, European Commission

April 2018 – October 2018

Project: Single Electronic Data Interchange Area

- Contributed to the **SEDIA Portal** which supports multiple EU projects with grants, tenders and participation in those projects.
- Responsible for designing and building "Role Management System" for SEDIA Portal.
- Developed National Contact Point's page for SEDIA Portal.

### Senior Developer, SAP Concur

November 2016 – February 2018

Projects: Time Tracker and Service Work Bench

- Efficiently and effectively managed a team of 14 developers (3 scrums) and built a time tracking application in less than a month with gamification aspects embedded which helped build a positive and healthy competition among customers.
- Base-lined the new generation technology stack for architecting the platform, built and integrated the infrastructure with components such as: centralized session store (Redis), centralized logging system (using Elasticsearch, Logstash and Kibana), security (using Okta SSO).
- Deployment in AWS/Docker/Kubernetes environment from ground zero to support polyglot systems in a micro-services-based ecosystem.
- Based on research with multiple teams in US and EMEA I analysed, implemented the “CI/CD pipeline” using Jenkins, Artifactory/Helm/Quay and Kubernetes clusters for the team in "India".
- Actively conducted multiple workshops (brown-bag sessions) for technical knowledge sharing such as “Microservices Architecture”, “Playing around Build & Deployment” etc.

### Consultant Engineer, SAP Ariba

March 2013 – October 2016

Project: Buyer Development Team - [Catalog, Invoicing, Content]

- Designed and developed the “Catalog Extract” feature which migrated the entire SAP catalog base (sized: 10GB)
- Re-designed and developed the invoice feature.
- Handled the basic performance tuning and security analysis for the content management system module.
- Responsible for export of catalog data in vanilla format from HBase to HDFS using a Hadoop job.

### Software Engineer, Zynga Game Network

December 2011 – February 2013

Project: Zynga Player Support Platform

- Designed and implemented a few POC's such as Spring-Hibernate-MySQL-Maven project for condition-based seeding of 15 million data into the database which was used for the “Platform Analysis Benchmark”.
- I was responsible for design and development of the complete backend including API's for the “Player Support” which introduces social aspects to the web.
- Adopted SHA 256 encoding standard, AES encryption and decryption model, re-captcha and developed “Centralized Mail Utility”, “Profanity Filtering Engine”, “Email Template Strategy” for the ZPS registration flow.
- Account management for the social platform which involved forgot username or password feature.
- Design and developed Award-Ville, a web application which helped the IDC for the internal award nomination purposes.

### Software Engineer 2, Juniper Networks, Inc

June 2010 – November 2011

Project: Junos Space – Network Application Platform

- Took innovative initiative to build the end-to-end UI based on “Android UI Design Patterns” during the development of “Junos Space for Android” as a part of guiding and mentoring interns from MIT India. Also, took the responsibility of integrating REST APIs with the front-end. Presented all of the above to the vice president of service automation.
- Designed and implemented an idea of developing “Template for Junos Application” which reduces the time of creating a basic application in ‘Junos Space’ to around 60%.

### Engineer – Software Development, Nokia Siemens

Networks Private Limited

June 2010 – November 2011

Project: NetAct - Network Management System

- Involved in complete development life cycle of the product.
- Developed link detection functionality for Juniper MX network elements, dynamically fault recognition, Sub network feature, Assign/Un-assign feature etc

## **Skills**

- Languages: Java, Python.
- Specifications: J2EE, JPA, JMS, JTA, JNDI, EJB.
- Backend Frameworks: Spring, Boot, Hibernate.
- UI Frameworks: HTML, CSS, JavaScript, AngularJS, Angular, ExtJS, JQuery, Bootstrap, PrimeNG.
- Technologies: Microservices, Distributed Systems, Cloud computing, Aspect Oriented Programming, Web Services.
- Build Tools: Ant, Maven, Gradle.
- Repositories: GitHub, Bitbucket.
- Version Control Systems: SVN, Perforce, Git.
- Application Servers: Apache Tomcat, Jetty, JBoss, IBM Websphere, WebLogic.
- Indexing Servers: Apache Solr, Elasticsearch.
- CI/CD Server: Jenkins, Bamboo, Circle-CI, Travis-CI.
- Messaging Queues: ActiveMQ, RabbitMQ.
- Databases: MySQL, Oracle, Couchbase, Redis, MongoDB.
- Virtual Machine: VirtualBox, Parallels.
- Data Interchange Formats: XML, JSON, Apache Avro.
- Methodologies: Agile-Scrum, Kanban, Waterflow.
- Cloud Technologies: Google App Engine, AWS.
- Others: RxJava, Consul, Zuul, Okta, Logstash, Kibana, Docker, Docker-compose, Quay, Helm, Tectonic, Kubernetes, Zookeeper, Hadoop, HBase, Artifactory, Kitematic, Vagrant, Swagger, Apache POI, Android, IBM ClearCase, J-Unit, Easy mock, Power mock.

### Languages

- English: Proficient

## **Activities and Interests**

- Coding, Photography, Yoga, Biking
- Solving puzzles, Traveling, Hiking, Music

## **Achievements**

- Won 1st Prize in the code-a-thon competition at Ariba Technologies.
- Table Tennis - State Level (Thrice), Winner in Singles and Runner in Doubles at Zynga TT Tournament.
- Organized short trips and treks of small groups
- Awarded as the most active person during Unit Day at Infosys.

## **Degree**

The National Institute of Engineering (2003-2007)  
Bachelor of Engineering in Information Science and Engineering