Prabhu Pandian

Sr. System Architect @Virtusa

An enterprising professional and visionary leader offering eighteen years of multi-faceted expertise in Enterprise, Cloud, AI, Solution Architecture, and Programming, targeting to express potential and deliver results with an organization of repute. And Expert in end-to-end architecture, specializing in development, enterprise architecture, integration, and presales architectural solutions

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CORE COMPETENCIES

Strategic Planning & Execution | Project Management & Leadership | Agile Methodologies | Solution Architecture & Delivery | Data Security Cloud Computing | Requirement Gathering & Analysis | Software Development Lifecycle | Performance Optimization | Risk Management & Mitigation | Cross-functional Collaboration Team Building & Leadership | Client/ Stakeholder Engagement.

Technical wealth of expertise entails Enterprise Architecture, Cloud Solutions, Microservices, AI and Data Architecture, and UI layer design. And Created and handled cloud infrastructure with NFR to Design to till implementations. Skilled at leading the Software Development Lifecycle (SDLC) right from requirement analysis, documentation (functional specifications, technical design), coding and testing to the maintenance of proposed applications.

SKILLS

Enterprise | Cloud | Solution Architect | AI | Blockchain | Microservices Architecture| Serverless |Data Architecture| Development| Database design | Data Analytics | UI layer design,GenAI, AWS, GCP, Azure ,IBM Urban Cloud, EC2, S3 bucket, IAM, GCP Cloud cloud SDK, S3- bucket, IAM, k8s clusters, cloud formation, VM instances, API Load balancer, auto-scaling, Db, API services, Docker, Kubernetes- Kubectl, Rancher, YAML, Jib, Helm chart, Dockerhub, Google App Engine, Terraform, Gravitee API Management, Openshift, Heroku, ArgoCD, Elastic search, Grafana, Diffblue AI, github copilot

Java, .Net frameworks- C#, VB, Spring Boot - API Microservices, WSDL, SOAP,Angular4+, React js, react native, Ionic angular, Vue, NodeJS, ExpressJS - GraphQL / Express GraphQL / Apollo Client, TypeScript, MySQL, TypeOrm, Scala- Apache Spark, Iaas, Paas,Saas,Pega, Salesforce, servicenow - ITSM, DevOps - CI and CD Process and Selenium, sonarqube,Jenkins, Jira,Maven Gradle,Bitbucket, SVN, GIT

Python- NumPy, Data Augmentation, Machine learning, NLP, PyTorch, Matplotlib, TensorFlow, Pandas library, pdfplumber, easyocr, doctr, Textract, Jupyter, Data analytic, Pdfplumber, OCR reader, And most of AI tools. Servicenow dashboards, UI builder, Actions, workflow automation, junk file upload

NoSQL-Mongo DB, RDBMS-Oracle DB,Apache Derby, DB2, MySQL, H2& AWS Db services, Talend, powercenter informatica,Java Swing, Java 2D and 3D Graphics, Java-Multithreading, JMS & Image processing,Drools, XML- Processing,Json, Jasper Report, and , Log 4j,OpenOffice SDK,Java IBM- GNR Seach engine, Java- SDS (Sabre Data Source)

CERTIFICATES

TOGAF 9.2- Enterprise Architecture
The Open Group

AWS Solution Architect
Amazon

GCP Cloud Architect
Google

Azure Solution Architect
Microsoft

EDUCATION

Bachelor of Engineering
Anna University

2003 - 2007

EXPERIENCE

Sr. System Architect
Virtusa

08/2021 - Present   *Bengaluru*

Key Results Areas:

- Spearheading the conceptualization and development of cutting-edge products within the digital transformation sphere
- Devising technical strategies to navigate complexities of digital transformation and facilitate efficient delivery.
- Created and handled cloud infrastructure with NFR to Design to till implementations
- Working as the central figure in product representation, effectively bridging the gap between technical teams and clientele.
- Leading teams in tackling multifaceted technical obstacles encompassing coding intricacies, cloud infrastructure management, database optimization, and deployment efficiency.
- Crafting comprehensive architectural blueprints covering design, coding methodologies, and delivery frameworks.
- Providing expert guidance on technical intricacies, ensuring alignment with project objectives and adherence to strict timelines.
- Conducting analysis to generate precise estimations for project timelines and resource allocation.

Architect
Wipro Technologies

06/2019 - 08/2021

Key Results Areas:

- Developed architectural designs and collaborated with stakeholders to secure approval for cost estimations.
- Conducted sizing exercises and created proof of concepts (POCs) to showcase value propositions and garner client interest.
- Created and handled cloud infrastructure with NFR to Design to till implementations
- Played a hands-on role in coding critical and intricate modules, ensuring the successful delivery of products.
- Worked as the primary liaison for products, representing them during technical discussions and client engagements.
- Provided leadership to multiple teams, offering guidance and direction on technical matters.
- Addressed and resolved challenges related to code, database management, and deployment processes.

Sr. Associate
Western Union

02/2013 - 06/2019

Key Result Areas:

- Crafted architectural solutions proactively addressing forthcoming challenges within the Western Union (WU) ecosystem.
- Facilitated the transition of products from legacy systems to modern, cloud-based microservice architectures.
- Implemented development processes aligned with Software Requirement (SR) documents and Agile methodologies.
- Created and handled cloud infrastructure with NFR to Design to till implementations
- Established robust server setups and documented environment configurations for smooth deployment.
- Conducted thorough handovers to development teams, outlining deployment procedures meeting WU standards. And Led development of applications from inception to delivery, adhering to Agile principles and phased development approaches
- Proactively identified and resolved issues, working as the focal point for problem resolution. And leadership roles in project teams, driving the development of major modules and applications.
- Offered strategic recommendations to mitigate future complications and validate architectural roadmaps. And Owned end-to-end development processes, including infrastructure setup, deployment, and testing
- Orchestrated war rooms if necessary to address critical issues and ensure timely resolution. And Leveraged Agile methodology and frameworks such as Java, Struts, JavaScript, jQuery, Spring Batch for modules and features
- Collaborated with stakeholders to validate architectural designs and roadmap trajectories And Created comprehensive design documents and mentored junior resources to facilitate knowledge transfer and task assignment.

EXPERIENCE

Assit. Project Manger
Intech creative services Pvt. Ltd

04/2012 - 12/2012

Key Result Areas:

- Spearheaded the development of intricate modules and advanced features for the OPS application, harnessing the power of Java, Java Swing, Java 2D, and Oracle technologies to enhance its functionality.
- Refined and optimized applications by leveraging servlets and Struts frameworks, driving performance and user experience.
- Worked on expanding the capabilities of one of world's largest applications, contributing to its ongoing evolution and adaptability
- Conducted research and analysis to identify and implement innovative approaches for enhancing performance and functionality
- Managed tasks within a client-directed ticketing system, driving timely of issues and effective communication with stakeholders
- Adhered to Agile methodologies throughout the project lifecycle, fostering flexibility, collaboration, and iterative development.
- Facilitated productive collaboration and knowledge sharing with international teams, contributing to a cohesive and globally integrated development environment.

Jr. Programmer
Imatt technologies Pvt. Ltd

07/2010 - 12/2011

Key Result Areas:

- Led the development of an Imaging application utilizing Core Java, Java Swing, Java 2D, XML, and Apache Derby technologies, ensuring robust functionality and user experience.
- Engaged in project planning, database design, and GUI development, leveraging expertise in areas to drive project success.
- Managed the development of an image management application tailored for onsite client needs, specifically University Malaya Medical Centre, facilitating efficient image management and analysis.
- Contributed to ongoing project and product enhancement efforts, continually integrating new features and providing dedicated support to meet evolving client requirements.

Software developer
Sun software solutions Pvt. Ltd

04/2008 - 06/2010

Key Result Areas:

- Spearheaded the development of an Imaging application utilizing Core Java, Java Swing, Java 2D, XML, and Apache Derby, ensuring comprehensive functionality and user-friendly interface.
- Directed project planning, database design, and GUI development, driving integration of technologies to meet project objectives.
- Managed integration of patient information, images, and reports, ensuring accurate data management within the application.
- Implemented advanced image editing features such as flip, rotate, inverse, and drawing shapes and text overlays, enhancing the application's versatility and utility.
- Developed advanced modules for CD/DVD writing, Key images, and OBG, expanding the application's capabilities to meet specialized requirements and industry standards.

Annexure: Experience -in brief

Designation: Sr. System Architect / Associate Director   Location: Bengaluru/Bangalore, India
Organization: Virtusa

Client 1: Allied World – A Fairfax Company   Location: Bengaluru/Bangalore, India

Designing and heading Architecture insurance services products and bringing strategy to overall claim handling systems. These vary in terms of cloud, AI, UI, Bakend, DB and Applications as multiverse products. And Created and handled cloud infrastructure with NFR to Design to till implementations. The systems with multiple tech cloud-based solutions, Azure,AWS, serverless, Java,.net, react, angular, Web services, Spring boot, API microservices, ServiceNow, ITSM products and services, and Python- NumPy, Data Augmentation, Machine learning, NLP, PyTorch, Matplotlib, TensorFlow, Pandas library, pdfplumber, easyocr, doctr, Textract, Jupyter, Data analytic, Pdfplumber, OCR reader, SQL, NO-SQL, And planning overall consulting clients to make appropriate technical decisions.

Roles & Responsibilities:
- Enterprise Architect
- creating AI POCs/Models constantly to test and adopt with existing systems.
- Created and handled cloud infrastructure with NFR to Design to till implementations
- Consult client to derive systems technical road map
- Creating architecture and covering design
- Providing a roadmap for development and dev-ops solutions with a sizing plan.
- Code on POC and Design major components
- Solve the code, cloud, database, and deployment problems

Project: ServiceNow Migration:

Facilitated the migration of multiple systems to the ServiceNow platform. Utilized App Service Engine for internal database creation, API integration, UI design, scripting, and label configuration. Streamlined document uploads from various sources into ServiceNow, transforming data into interactive dashboards and graphs for evaluation. Supported data-driven decision-making by analyzing inflows and outflows within the platform. Conducted process optimization to improve platform efficiency and usability. Collaborated with cross-functional teams to align system capabilities with organizational goals. Provided training and guidance to end-users on leveraging ServiceNow features effectively.

Project: AI Integration:

Processed extensive data from documents using Python and native LLM models. Extracted images and text from large PDFs with OCR and libraries like Pandas and PDFPlumber, transforming unstructured data into actionable insights. Designed and implemented a system to extract data from large systems and integrate it with UI tech stacks, enabling users to make informed decisions for insurance claims. Developed the entire solution from scratch to operational level, ensuring seamless functionality and reliability. Optimized data pipelines for efficiency and scalability. Collaborated with stakeholders to refine requirements and enhance the system's effectiveness. Provided documentation and training to support end-users in leveraging the platform effectively.

Client 2: The Volksbank - Migration   Location: Utrecht, Netherlands

Designing and heading primary banking services to a cloud-based environment with microservices architecture. Legacy services based on multiple tech stacks and helping to move the AWS cloud using tech stacks Java, Soap, WDSL, and Spring boot. API microservices, Gravitee, Help chart, ArgoCD, Diffblue AI, AWS Cloud. And planning overall design and deployment with testing strategies and making proper technical communication and strategies for inbound and outbound channel teams.

Roles & Responsibilities:
- Enterprise Architect and Lead and formed the teams
- Creating architecture and covering design and coding area
- Providing roadmap for development and dev-ops solutions with sizing plan.
- Created and handled cloud infrastructure with NFR to Design to till implementations
- Code on POC and Design major components
- Act as epi centre of products and represents the product with customer
- Guiding a team in technical aspect
- Solve the code, cloud, database and deployment problems

Technologies:

AWS, Java, Spring boot, serverless ,API micro services, Soap Web services, Gravitee, Elastic search, Grafana, WSDL, Helm chart, Docker, ArgoCD, Diffblue AI, Mockito, Bitbucket, Jira, SonarQube, IntelliJ, Bitbucket

Client 3: Lloyds Banking Group   Location: Edinburgh, UK

Designing and creating a product on the FinTech front on Risk value stream on various sectors involves motor finance, small and medium enterprise and personnel banking ends. And Created and handled cloud infrastructure with NFR to Design to till implementations Using tech stacks Java, Spring boot. API micro services, Helm chart, serverless, Terraform, Gib, Net C# (C sharp), urban code, GCP Cloud and leading a delivery.

Roles & Responsibilities:
- Enterprise Architect
- Creating architecture and covering design and coding area
- Created and handled cloud infrastructure with NFR to Design to till implementations
- Providing estimation
- Code on major and complex modules and make sure the delivery aspect of the product
- Act as epi centre of products and represents the product on technical calls.
- Guiding a team in technical aspect
- Solve the code, database and deployment problems

Technologies:
Java, Spring boot. API micro services, Helm chart, Terraform, Gib, Net C# (C sharp), urban code, GCP, Jira, SonarQube, Selenium, Visual studio-IDE, GIT

Client 4: Project -1: Santander Bank -Digital Transformation: Location: Chennai, India
Designing and creating a product on the FinTech front on investment banking. Using tech stacks ReactJs, Spring boot- API, Oracle, Cloud-Azure, serverless, Splunk., Python and leading a delivery.

Roles & Responsibilities:
- Enterprise Architect cum Delivery lead
- Created and handled cloud infrastructure with NFR to Design to till implementations
- Creating architecture and get the cost estimation approval from business
- Providing estimation
- Code on major and complex modules and make sure the delivery aspect of the product
- Act as epi centre of products and represents the product on technical calls.
- Guiding a team in technical aspect
- Solve the code, database and deployment problems

Technologies:
AWS, Java, Oracle, Spring boot and spring batch framework, JPA, React JS, NodeJS, ExpressJS - GraphQL / Express GraphQL / Apollo Client, TypeScript, SQL server 2005, TypeOrm, JavaScript, html, Jenkins, Jira, SonarQube, Selenium, Openshift, Azure, Kubernetes, STS, IDE, GIT, Visual studio code

Project 2- - Santander Bank - Data Migration and stats.
We are required to migrate data from other external systems, and the data are huge with the size of 100 GB. And the same data needs to be processed and analyzed for business. The batch process has been done through the Python pandas library using a Jupyter notebook. As pandas library provided SQL alchemy and with the help of python scheduler, we planned and moved 100 GB files to database with python-based batches. Now it runs 10 million records in a short span of time, and it can run junk-wise. Hence improved the speed and efficiency. The same python Jupyter notebook allows analysing and sharing to business teams as per need. As an example. How many transactions have it in the file can filter and get the specific request data from the huge files. The same we have done from Databases to CSV Files. We made a tailor-made solution on data analytics for our customer

Technologies:
Python, NumPy, Pandas- libraries, Jupiter Notebook

Designation: Architect Location: Chennai, India
Organization: Wipro Technologies
Projects: Citi Bank– PLP, Project2 - Citi Bank– ESMS, Project3 - Citi Bank– GBCR
Citi Bank has the plan to move solutions into cloud based with new tech stack on UI, Service and Database layers. Need to work on plan as digital transformation partners for few projects and helped to design and evaluate tech stack. Lead the delivery for the same. The project involved transforming mainframe and other monolithic applications into cloud based micro services which included API as service layer and Angular, react and Vue as UI layers. There are few start-ups project and analysis made on in memory caching on gem fire and No-SQL database also moved as part of transformation.

Roles & Responsibilities:
- Solution Architect cum Delivery lead
- Creating architecture and get the cost estimation approval from business
- Created and handled cloud infrastructure with NFR to Design to till implementations
- Providing sizing and creating POC to get the initial break through form the clients
- Code on major and complex modules and make sure the delivery aspect of the product
- Act as epi centre of products and represents the product on technical calls.
- Leading multiple teams
- Guiding a team in technical aspect
- Solve the code, database and deployment problems

Technologies:
Azure,AWS, java, Mongo DB, Ajax, servlet, Spring, Spring boot and spring batch framework, Linux, hibernate, JPA, spring boot, Jersey API, Angular 4+, React JS, Vue, NodeJS, ExpressJS - GraphQL / Express GraphQL / Apollo Client, TypeScript, MySQL, TypeOrm, JavaScript, jQuery, servlet, html, XML, log 4j, jetty and Apache servers, DB2, Mongo DB, Oracle, STS IDE, GIT, Jenkins, Jira, SonarQube, AWS, Openshift

Create number data set toward analytic analyses using Java, Python, NumPy, Panda's library, Jupyter, Apache Spark, Scala. Tried few data samples as POC for document processing of transactions. Also transferred data from flat files to RDBM and No-SQL databases. These allows to inhouse user to process and predict the transactions data from real time applications.

Technologies:
Java, Python, NumPy, Pandas library, Jupyter

Project: AI Fraud Detection:

Created an AI Python channel to filter and flag suspicious transactions. This works by consuming all transactions through APIs and performing due diligence on each transaction from consumer to consumer. Extensive tools and manual steps were initially used to filter and predict suspicious transactions, making the process slow and the system inefficient. To address this, an AI-driven Python-based gateway channel was introduced to pre-filter suspicious transactions based on LLM inputs from the business, such as frequent names, suspicious geographies, and transaction patterns. The more LLM models provided, the more accurate the filtering becomes. Non-suspicious transactions are then forwarded to the usual transaction pipeline. This approach significantly improved fraud detection before transactions entered the core system, enhancing efficiency and reducing manual workload. The AI-driven model greatly supported banking transactions. I handled the entire process from proof of concept (POC) to full implementation.

Technologies:
AWS, python and its open sourced libraries

Designation: Sr. Associate
Organization: Western Union

Product1 - Western Union - Doc Cap:
All over the world agent try to send money and receive money. And the users provide KYC documents and digital signature. KYC Signature Capture is the project that will enable WU to collect the Agent's and Customer's signature at an agent location. WUPOS application will prompt for a pop up to capture signature through the installed digital signature pad which will show language selection screen, sender/ Receiver details, financial details, the fraud warning message, and signature capture screen to collect the signature. The collected signature will be sent to the iWatch/Doc Capture application and the image will be stored with safe location.
KYC Doc capture is the project that will enable WU to collect the Agent's and Customer's documents at the agent location. WUPOS application will prompt for a pop up to capture document. This will be done by scanner/ webcam devices

Roles & Responsibilities:
- Providing solution for near future complications of WU
- Creating architecture design for WU requirements
- Created and handled cloud infrastructure with NFR to Design to till implementations
- Helped the product moved from legacy to cloud based micro service architecture
- Developing based on SR document.
- Developing modules and functionality based on agile model.
- Guiding a team in technical aspects

Technologies:
AWS, java, Ajax, servlet, Spring, Spring boot and spring batch framework, Linux, hibernate, spring boot, Jersey API, Angular 4, JavaScript, jQuery, servlet, html, XML, log 4j, MySQL, Oracle 10g, jetty and Apache servers, Jenkins, Gradle, Jira Dynamsoft SDK, wacomAPI, Eclipse IDE, STS, GIT,

Product2 - Doc Capture – EOL:
Doc capture- EOL is meant to end of life of existing SIT/QA/UAT/PROD servers. And create and design sets up the infrastructure from scratch to running. Business requested to move to a new set of Linux boxes from the purchase level to set up of JRE, Application servers as Jetty, Cron jobs set up, logging maintenance. Enable the firewall and manage the firewall between the WU servers. Involve allocating the domain and purchase request on third-party API with respect to servers.

Roles & Responsibilities:
- Responsible server setup and design delivery
- created the complete environment setup document the design and business of servers
- A complete handover made to dev team as for how to approach these server deployments
- Guided a team to follow the deployment process and make sure it's along with WU way.
Technologies:
Red Hat Linux, Java, log 4j, jetty server. Dynamsoft SDK, Wacom API, MySQL, Eclipse IDE, GIT, Jenkins, Gradle, Jira

Team: Solution Team
Western union has multiple applications which are constantly maintained and improved. Suppose a transaction fails, lags or money transferring issues are addressed in real-time transactions. In that case, it will be redirected to the solution team to work with a particular project/entity/ third party to bring a solution. This involved coding, designing, data correction, data modelling, scaling the product/project, and business discussion. These all will be tracked through systems requests. These involved working with multiple teams and systems.

Roles & Responsibilities:
- Address the issue at first hand and provide acknowledgment to address
- Created and handled cloud infrastructure with NFR to Design to till implementations
- Suggest solutions for future complications.
- act as epi centre for the issue and estimate and provide concrete solution.
- recommend an approach for each product and project team to mitigate
- Run a war room if required to solve the issue.
- Validate current architectural and future roadmap

Product 3: RTRA – List Processing:
This application helps western union to do a transaction all around the world. And the main part we involved to find terrorist outfits transactions and stop them further transaction though western union then intimate Western Union about the transaction details and nature of transaction. And help them to consolidate the details through multiple rule engines. So, these ways of filter transaction, help the Western union to improve their transaction in safe and secure mode in future. If a transaction triggered from UI, and the transaction must go through multiple stages of filtering and validations like rules, configuration and DB data validation. This is where I specifically work.

Roles & Responsibilities:
- Creating architecture design for WU requirements
- Developing based on SR Document (software requirement). SR will convert as design document. Once design approved by Western Union Architecture group, will start the development.
- Developing modules and functionality based on phases.
- Guiding a team in technical and function aspects
- Handling daily call from client and distributing the information
- Requirement /clarifications to team.

Technologies:
AWS,Azure, serverless, Core Java, JSP, IBM- GNR Seach engine, Java- SDS (Sabre Data Source), Drools, Talend tool, JBoss, Apache server, Log 4j, DB2, Eclipse IDE, GIT, Jenkins, Gradle, Jira

Product4 - Western Union- Agent Screening:
This application is an in-house project which maintains their agents' detail all around the world and their transactions, commissions, details. Etc. Basically, this is designed and developed on spring-based web application. We can have a filter and able to see the agent details in a customized way. The business worked as a controller, Service with ORM tools.

Roles & Responsibilities:
- Created major modules and developed applications
- Gathered requirement process and set up agile to process to develop and deliver
- Developing modules and functionality based on agile sprits
- Lead developer to this project

Technologies:
Aws, GCP, serverless, Core Java, Spring, Hibernate, JavaScript, jQuery, Ajax, JSP, Apache server, Log 4j,Oracle 10G, Eclipse IDE, Tortoise SVN

Product - GNR Testbed:
This is a servlet-based web application. This is specifically run the batches for a huge number of junk data in order to the analysis of production data. Hence this particular API search engine runs on IBM GNR and there a number of occasions the behaviour changes based on the name. So proper analysis required for each update of the API before implementing into a western union. Hence this application developed as UI front to choose input file and run the name match engine and update the output file as a customized way. This involves creating a specific server for the web-based application. Created Linux box and hosted this Apache server and maintain the configuration of input, output and batch status files.

Roles & Responsibilities:
- Created application from the scratch
- Created and handled cloud infrastructure with NFR to Design to till implementations
- Responsible for all the infra to develop, deployment and testing
- Gathered requirement process and set up agile to process to develop
- Developed and delivered this project single-handedly
- Design to implementation all done within 90 days of time

Technologies:
Red Hat Linux, Java, Spring, IBM- GNR Seach engine, Java- SDS (Sabre Data Source), JavaScript, jQuery, Ajax, JSP, Apache server, Log 4j,Eclipse IDE, Tortoise SVN

Product5 - IDS (Integrated Design Studio):
Customer: Mohawk (www.Durkan.com)
This application belongs to carpet selling domain. IDS is an interactive web-based application, that allows users/customers to work with the existing patterns and manipulate colours within the patterns and see in real time what the pattern will look like in your current project's colour way.

- Developing modules and features for IDS application using Java, Struts
- 1.2 Framework, Java script, jQuery, Spring batch framework
- Developing modules and functionality based on sprints, waterfall methods
- Create the high- and low-level design documents
- Train the junior resources to understand business and technology and assign tasks to them.

Technologies:

Java, Struts Framework, Spring Batch Framework, JSP, Java script, jQuery, Java2D Graphics, Java Image processing, XML, Log 4j
Database   SQL Server 2005, AS/400 i-series server-based DB/400
Tools   Eclipse IDE, Tortoise SVN

Designation: Assistant Project Manager   Location: Gandhi Nagar, India

Organization: Intech Creative Services Pvt. Ltd
Project: OPS (Operation Planning System)

Customer: DP World
An OPS is a module in "Port Management System" which include top   to bottom of Port management. The Operation   Planning   System (OPS) module allows a user to define the rules for to handle the container in the yard. It allows a user to plan the container(s) to be loaded to the Vessel and to be discharged from the Vessel. A user can configure yard equipment setting working hours and working area Another powerful feature of OPS is yard monitoring. A user can visualize the current and upcoming yard information graphically in order to plan.

Roles & Responsibilities:

- Developing modules and features for OPS application using Java, Java Swing, Java 2D, Oracle.
- Enhancing/developing application based on servlet, struts.
- Adding modules and enhancing features for the worlds one of the huge Application
- Doing R&D and approaches for project level enhancement.
- Working under client direct ticketing system.
- Following agile process.
- Working with International teams

Technologies:

Core Java, Java Swing, Java 2D Graphics, Java Image processing, Jazz, XML, Log 4j, Oracle 10g, Eclipse IDE, Tortoise SVN, GIT

Designation: Jr. Programmer   Location: Chennai, India

Organization: Imatt Technologies Pvt. Ltd
Product   : Tarus, Aries
Customer: University Malaya Medical Centre (http://www.ummc.edu.my/)
Develop a windows-based image management and structured reporting application specifically for University Malaya Medical Centre. The project involves working at University Malaya, Kuala Lumpur to gather requirement from customer and implementation of application. It also includes post implementation management including bug fix, maintain product map, feature enhancement, etc.

Roles & Responsibilities:

- Developing Imaging application using Core Java, Java Swing, Java 2D, XML and Apache   Derby.
- Nature of work involves project planning, database design and GUI (Graphical user interface) design and coding.
- Handle development of image management application for onsite client (University Malaya Medical Centre)
- Continuously adding features and giving support to projects and products.

Technologies:

Core Java, Java Swing, Java 2D Graphics, Java Image processing, DSJ, OpenOffice SDK, Jasper Report, XML, Apache Derby, SQL Server 2005, NetBeans IDE, Tortoise SVN, Toad

Designation: Software developer

Organization: Sun Software Solutions Pvt. Ltd

Product -Medi-Electra:

Develop a windows-based image management and reporting application for the Ultrasound market. It contains features such as patient study manager, single/ multi frame capture, reporting module and receiving and sending DICOM images.

Roles & Responsibilities:

- Developing Imaging application using Core Java, Java Swing, Java 2D, XML and Apache Derby.
- Nature of work involves project planning, database design and GUI (Graphical user interface) design and coding
- Maintain the patient information along with images and reports
- Image editing includes flip, rotate, inverse and drawing various shapes and text over the image.
- Advanced modules include CD/DVD writing, Key images and OBG.
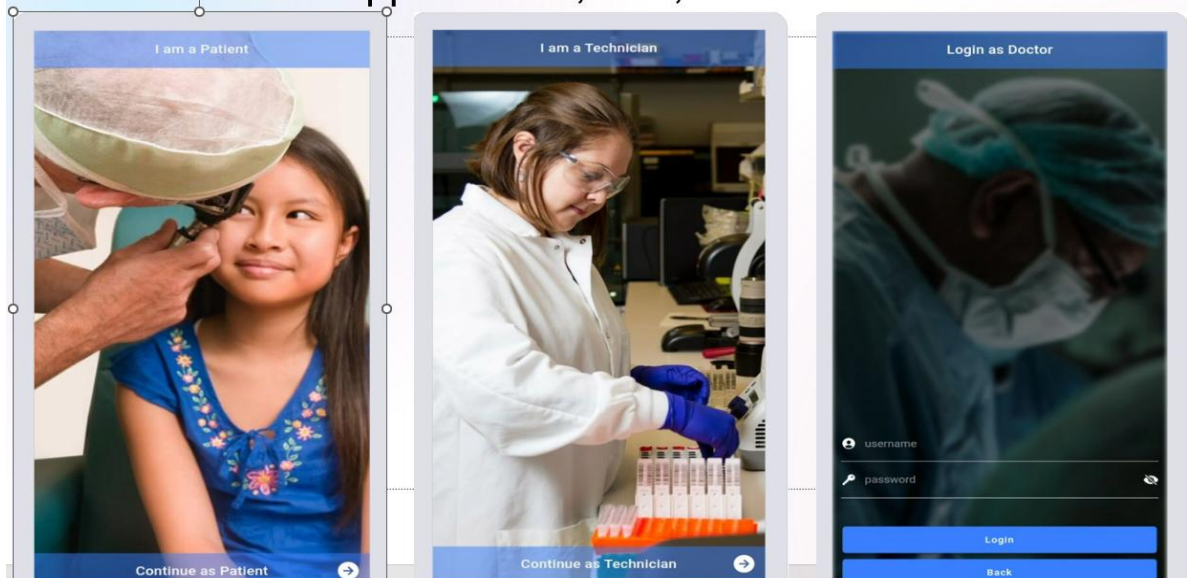
Technologies:

Core Java, Java Swing, Java 2DGraphic, Java Image processing, DSJ, OpenOffice SDK, Jasper Report, XML, Apache Derby, NetBeans IDE, Tortoise SVN, Toad
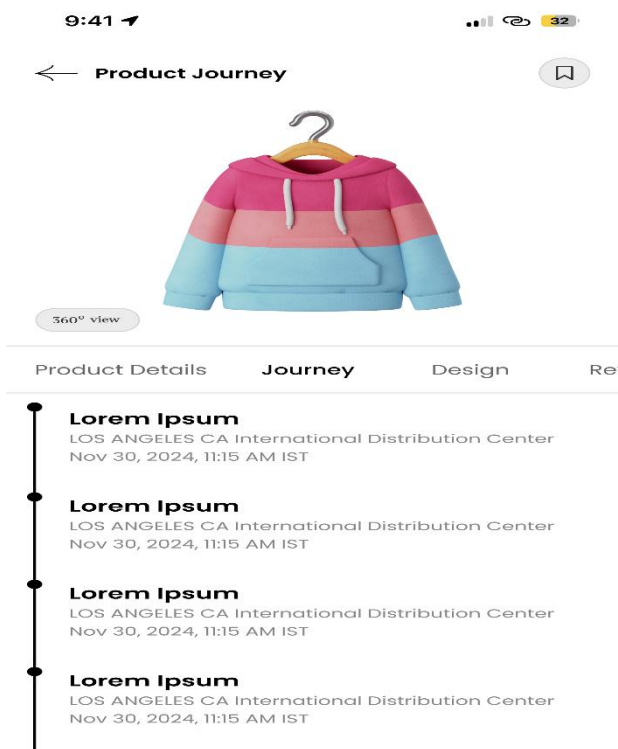
My Projects: I consider them as my own pet projects:

I keep engaging with creating products and consulting with startups on various fronts and here added few glimpse and I hold most of them in myPc
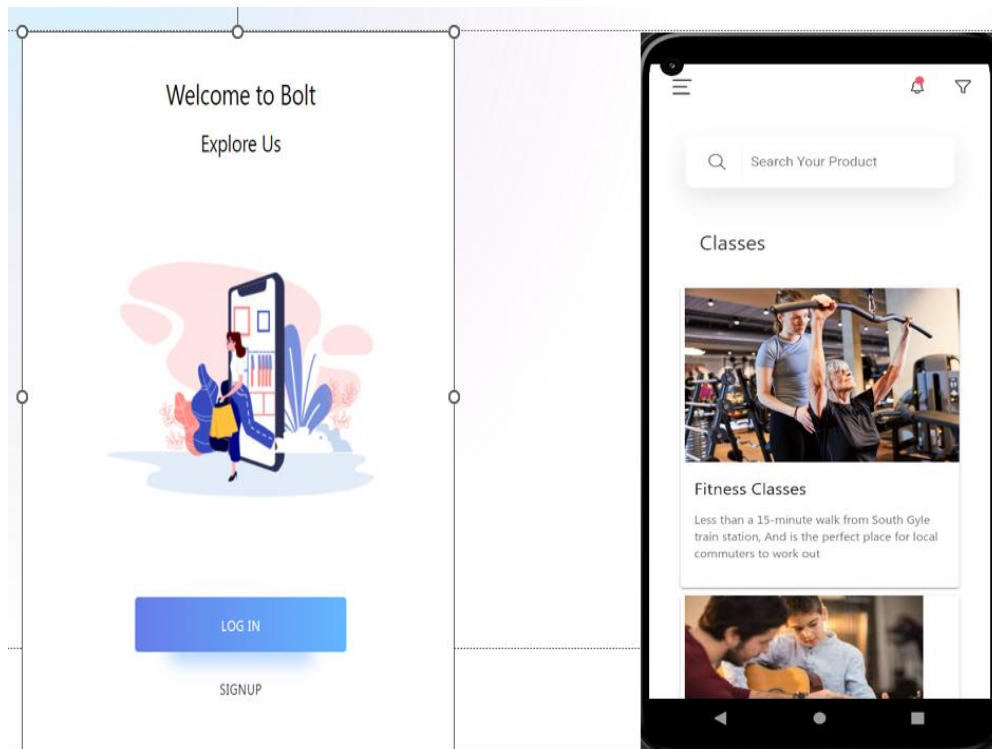
1. AI-driven Healthcare product: I created a product in the healthcare sector to help maintain patients' health records and provide better diagnoses using AI. The platform allows healthcare providers to collect and store data from patients, lab technicians, and doctors, focusing on blood tests and other medical results. Leveraging the collected data, AI can predict cancer and forecast individual and community health trends. I initiated this project from scratch, and it is currently awaiting investment from venture capital. This is a deeply personal project, close to my heart.

2. Blockchain-AI Logistic system: Developing a blockchain-based transport logistics product for tracking food, pharmaceuticals, clothing, and gold from source to destination. Integrated IoT sensors and manual inputs for real-time updates, with a React-based UI and Python backend. Leveraged Python libraries to create and update blockchain tokens dynamically during transit. This self-initiated project incorporates AI and blockchain to build a market-ready solution. Actively working on architecture, design, and implementation to ensure scalability and reliability. Exploring AI-driven insights for predictive logistics. Aiming to bring this concept to the market as a transformative product.

3. Own Online store- lunch: Developed an online store as a startup idea, supporting both Android and iOS platforms using React.js. Integrated Google Payment Gateway for seamless transactions. Designed a user-friendly interface with responsive features to enhance the shopping experience. Ensured scalability and performance for diverse user bases. Actively exploring additional features to expand functionality and market reach.

4. AI-LLM Project: Developed and consulted on AI and LLM-based projects, creating custom models and leveraging Python libraries for efficient implementations. Advised startups on integrating tools like ChatGPT for tokenized queries and AI-driven workflows. Built AI bots for tasks such as job applications and FAQs in banking and product domains. Enhanced automation and user interaction with innovative AI solutions. Focused on optimizing processes and scaling AI use cases. Contributed to advancing AI adoption across industries.

5. I also did numerous projects as a funda. I completed various projects, including an expense calculator and utility tools, leveraging diverse tech stacks. Focused on building practical, user-centric solutions with efficient designs. Explored multiple technologies to enhance functionality and scalability. Continuously worked on refining projects to address evolving user requirements.