


Sunil S Kumar

A full stack developer, an avid Learner, a strong communicator, and a highly experienced individual with innate passion for delivering exceptional products.

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PROFESSIONAL SUMMARY

A technology evangelist with leadership expertise in devising inventive business solutions and driving application development. Demonstrated success in efficiently managing multiple complex projects. Proficient in evaluating requirements for seamless integration of business applications. Vital in guiding team members to enhance their effectiveness in their roles.

TECHNICAL COMPETENCIES AND EXPERTISE

- Fullstack- **NodeJs, ReactJs, Python**, PHP (**Laravel**, Symfony, Drupal, CodeIgniter), **Java, Typescript**.
- Strong hands on and expertise in **ReactJs**, Redux, Saga, **Node, ExpressJs, Mongoose**, ES6, Storybook, Virtualization, **HTML5, JavaScript, SCSS**, Tailwind, CSS, Php, Laravel, Drupal, Symfony, CodeIgniter.
- Experience with serverless computation using Lambda and DynamoDB using AWS services.
- Proven leader in delivering high-impact software projects, skilled in all development phases. Experienced with Frontend and Backend technologies, RESTful services, GraphQL, JSON/XML, and SOAP APIs with MySQL, PostgreSQL, NoSQL (MongoDB, SOLR, Elastic Search, redis, Casandra) databases. Proficient in CI/CD and version control systems like GitLab, GitHub, Jenkins, Git, SVN, and Docker containers.
- Implemented several concepts initially as proof-of-concept (POC) projects while serving as an individual contributor (IC), subsequently delivering them as fully realized and successful products. Independently guided the technical direction and implementation by the whole team within defined architecture in all stages from conceptualization to deployment.
- Led the design and execution of software systems on a large to medium scale, prioritizing scalability, performance, and maintainability of applications, and ensured these aspects through thorough system analysis and comprehensive design documentation.
- Led a team of 35 on a project for a major pharmaceutical client, delivering effective adverse event detection solutions. Aligned with stakeholders on requirements and collaborated with developers to design scalable, secure software.

KEY HIGHLIGHTS

- Plan and design the structure of a technology solution, track record in defining performance oriented architectural principles for successful adoption of applications; proven capability in accelerating application development by creating reusable assets, acted as a bridge among technical and enterprise architects.
- Proficient in cutting-edge technologies for building both MPAs and SPAs, Actively involved in providing technical support across various areas including design, architecture, development standards, coding styles, and guidelines. Conducting thorough functional and code reviews to ensure high-quality deliverables. Experienced in managing AWS infrastructure and its associated services. Hands-on experience with coding and utilizing CI/CD tools, with strong expertise in JavaScript, Node JS, and tools pertinent to React Front End Development. Well-versed in User Authorization and Authentication using JWT and Passport, with experience in configuring SAML, MFA, TFA, and OAuth for verification, authorization, and authentication in applications. Proficient in implementing security best practices such as OWASP and addressing vulnerabilities using tools like Qualys.
- Initiated and architected a strategy to migrate 17 different niche ecommerce applications to Symfony, Laravel frameworks using the RESTful services with incremental updates.
- Skilled in effectively managing stakeholder expectations and engagement. Demonstrated expertise in leading the Software Development Lifecycle (SDLC) and guiding the development of Microservices and Service-Oriented Architecture (SOA) from conception to the delivery of advanced applications and customizable solutions.

- As a Subject Matter Expert (SME), I ensured the product met industry standards, fulfilled customer needs, and surpassed expectations by translating technical details into practical solutions. I guided the development team through the software life cycle, contributing to design, coding, testing, and implementation. Through comprehensive training, clear documentation, and responsive support, I equipped the team to deliver exceptional results and provided advanced expertise in cross-functional technical solutions.
- Software Architecture Design using visualization tools like Lucid Chart, Diagram, and Visio to create intelligent diagrams to nail down critical details about information, and processes, flowcharts, wireframes, UML diagrams, swim lanes, and network diagrams. Self-motivated and passionate about technology; excels at grasping the larger picture and conceptualizing, developing, and implementing appropriate and practical technology solutions to meet business needs.
- Migrated 17 niche websites, each functioning as independent applications, to Symfony framework. Migration of a web application focused on Spirituality to Drupal7 as the Content Management System (CMS), consolidating content from 10 distinct spiritual domains previously built on WordPress. Redesigned the website based on user research findings, incorporating comprehensive UI/UX design principles and field mapping. Migrated an application from Drupal 4 to Drupal 6 utilizing the Drupal Migrate Module and Drupal Shell.

ACHIEVEMENTS

- Successfully setup the **Business Continuity Plan & Disaster Recovery Management** for IQVIA and was instrumental in launching its first ever DR in Sept. 2018 and enabled the business preparedness for disasters.
- Successfully migrated legacy systems to modern architectures, enhancing reliability and maintainability. Achieved 99.9% uptime, ensuring continuous availability of critical applications.
- Received Spot awards multiple times for problem solving skills and performance assessment cycles.
- Merit in enhancing revenue of the team from \$9 million to \$13.5 million by improvising the architecture and optimizing the application by tweaking key areas.
- **Trained and mentored junior developers**, fostering a collaborative and innovative team environment.

ASPIRATIONS

- Build high performant, highly scalable, complex, and distributed systems, end to end.
- Investigate new technologies and their implementation in products, providing relevant ideas and suggestions to Product Owners, Develop a strong infrastructure, database, and applications, specifically in designing, coding, operating, and supporting high-performant, highly available services, and infrastructure.
- Preparing technical documentation for end-users and internal customer solution developers.
- Review the legacy architecture and improve the design patterns by making the next-level technical design decisions that further define the product architecture.

CERTIFICATIONS

TOGAF – Pursuing the Foundation & Practitioner certification training to gain expertise in the enterprise architecture and align business objectives with IT Strategies effectively.

Artificial Intelligence (AI) for Project Managers – Obtaining AI for Project Managers certification to effectively integrate artificial intelligence solutions into project management strategies.

Design Thinking – Pursuing Design Thinking Course Certification to enhance problem-solving skills and foster innovation in product development.

Certified DevOps Professional (CDOP) – Striving for Certified DevOps Professional (CDOP) certification to master the principles and practices of DevOps for seamless software delivery and collaboration.

WORK EXPERIENCE AND PROJECT SUMMARY

PGM-Tool	AST-Science Space Mobile , is a company focused on creating space-based mobile communication networks. The primary goal is to build the first space-based cellular broadband network accessible directly by standard mobile phones without requiring additional hardware or software.
Organization	Simelabs – AST-Science Space Mobile
Duration & Technology	60 days / Aug -2024, Nodejs, React, Postgres, Influx DB and Redis.
Roles and Responsibilities	Solutions Architect – A PlayGround Manager tool developed to control the satellite communications from the Permanent Earth Stations, PES Scripts in python and Django to send commands to the Satellite.

Digital Product Passport	A finely tuned ecommerce platform designed to identify sourcing risks and incorporate shipment tracking using a leading-edge traceability and compliance solution, a platform meticulously tailored to detect sourcing risks and implement shipment tracking via a premier traceability and compliance solution, uniquely crafted for the fashion, footwear, and textiles industry. This platform enables direct data collection from suppliers and seamless integration with supply chain tools to uphold compliance with regulatory reporting standards. Moreover, it streamlines certified material compliance by acting as a centralized repository for all supplier certificates and documentation within the TrusTrace platform
Organization	Moolya Software Testing Pvt. Ltd. - TrusTrace (Client)
Duration & Technology	180 days / Oct -2023 to March 2024, Java, Springboot, Angular, MongoDB.
Roles and Responsibilities	Solutions Architect - collaborating with client, contributing to technical documentation, defining & leading the solution design with implementation, creation of architectural designs and diagrams, participating in the proof of concepts, collaborating with cross-functional teams to understand product requirements.

Amelia	As a top-tier Digital Employee and Conversational AI solution, Amelia brings human-like interaction – including conversation, expression, emotion, and comprehension – to user experiences, fostering stronger connections and enhancing business value.
Organization	Amelia an IPsoft company
Duration & Technology	2021 – July 2022 Java Springboot, ReactJs, Python, Groovy, REST and SOAP APIs (JSON, XML), SOLR, redis, NodeJs, virtualization, NLP, YAML configurations, microservices architecture, the services were hosted on AWS servers.
Roles and Responsibilities	Cognitive Technical Architect- Craft high-level designs and execute use cases to meet the requirements of end customers. End to end responsibility on seamless delivery of project.

BIAMART	A proof of concept (POC) for an ecommerce grocery project, developed using React.js, Node.js, MongoDB, and MySQL. The project supports various products and categories, such as fruits and vegetables, baby products, and pet food, along with online payment functionality.
Organization	BIAMART
Duration & Technology	5 Months, ReactJs, Redux, MongoDB, MySQL, Firebase, hosted on AWS EC2.

Roles and Responsibilities	Individual Contributor- Create high level design, Converted HLD to LLD, Code and develop the application using the above technology.
Vigilant	Human Data Science enhances adverse event reporting by leveraging natural language processing and other artificial intelligence technologies to automatically identify potential adverse events within extensive unstructured datasets. These events are then reviewed and validated by pharmacovigilance experts using NLP, Ontology, and Semantic Searches.
Organization	IQVIA , 2018- March 2021
Technology	PHP, ReactJs, Drupal, Python, SOLR, Elastic Search, MySQL, Microservices, jQuery, NodeJs, Socket.io, Jest, Redux, LAMBDA Services, DynamoDB, EC2, RDS and other services from AWS, GIT.
Roles and Responsibilities	Design, implement, and maintain IT systems for business clients, technology systems. End to end responsibility on seamless delivery of project, RBAC & authentication.
Al Ghars	Al Ghars is an educational program meticulously crafted to guide children through progressive learning stages.
Organization	Al Ghars Educational Institution (Abu Dhabi, UAE). Alghars education
Duration & Technology	60 days 2023, Laravel, Nodejs, MySQL, MongoDB AWS Servers were used.
Roles and Responsibilities	Individual Contributor- CRM for managing the school related activities and information. Create high level design, Code and develop the application using the above technologies, RBAC supported online education tool that keep track of student progress across various stages. Student registration and fee collection through the app, RBAC for different roles available in the system with features like CRUD operations on student, teacher screenusers, admin, attendance and other management, search records, student records, fee records, admin records, user Management. Online fee payment through app. Event scheduling with SMS and email notifications and reminders, student wait listing if teacher is unavailable or filled with events.
birdtrader.co.uk friday-ad.co.uk	A leading provider of technology and services to the niche industries across the globe, with a diverse portfolio of classifieds, job boards and web service solutions.
Organization	Friday Media Group (https://fridaymediagroup.com/)
Roles and Responsibilities	Software Development Lead, involved in data migration, design, coding and development
Team Size	15
Duration & Technology	11 Months, Symfony, JavaScript, JQuery, Redis, Apache Solr, MySQL, CSS, Nodejs, YAML Configurations.
Manipal Global Educational	Developed and decoupled notification engine to send out email and SMS notifications to all the subscribers of the online education portal.
Services (Jun 2013 – Feb 2015)	
Roles and Responsibilities	Technical Lead – SME, converting the functional specs to technical requirements, designing, coding and implementation using the service oriented architecture (SOA), and maintenance.
Team Size	4 members
Duration & Technology	60 days. ExpressJs, NodeJs, MongoDB, Drupal, MySQL, AngularJs

Manipal Global Educational	QUIZ Module was decoupled to support SPAs and faster page loads during the online study of course book.
Roles and Responsibilities	Technical Lead- Requirement gathering, designing, coding and implementation, with SOA.
Team Size	5 members
Duration & Technology	90 days, Php, Drupal, MySQL, MongoDB, NodeJs, AngularJs
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Manipal Global Educational	Revamp of the Online Education Tool, Decoupling of the Online Assessment tool to allow the students to give their assessment examinations without any issues ensuring the system is highly available and scalable during the concurrent user login.
Services (Jun 2013 – Feb 2015)	
Roles and Responsibilities	Technical Lead - Requirement gathering, designing, coding and implementation, Team Management.
Team Size	15
Duration & Technology	20 Months, Php, Drupal, MySQL, NodeJs, AngularJs
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PK Online	Contributed to various development of products like the BSNL IVR (51010), https://airtel.in and BSNL Mobile Portal management and digital marketing through AdChakra which is a digital platform for PKOnline.
(Oct 2010 – May 2013)	
Roles and Responsibilities	Project Lead- as a full stack developer contributed to this project by design, coding and implementation, writing technical documentation, take ownership at different stages during the lifecycle.
Team Size	4
Duration & Technology	15 Months, Php, Drupal, MySQL, NodeJs, AngularJs
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Biond Software Technologies	Working as a Project Lead & full stack Developer, and involved in planning, processing, designing, coding and integrating software modules using Php, Java (ZK), PostgreSQL, XML & KML and JavaScript with Ajax that outputs geographic data. Responding promptly and professionally to bug reports, Review and repair legacy code, Responsible for development of new programs, analyzes current programs and processes, and making recommendations which yield a more cost effective product. Search Engine to locate POIs on the map.
Products-	Navigational and Drill down Search to locate the POIs Customized Map solutions to support web applications. Dijkstra's shortest path algorithm to support shortest route QGIS tool to convert AutoCAD files to shape files and import to PostgreSQL database
(Apr 2006 – Sept 2010)	
Roles and Responsibilities	SSE / full stack Developer- Contributed to this project by design, coding and implementation, writing technical documentation, take ownership at different stages during the lifecycle.
Team Size	4
Duration & Technology	15 Months, Php, Java (ZK), PostgreSQL, XML & KML and JavaScript (OpenLayers & Mapserver), Python

CAREER HISTORY

Organization	Roles and Responsibilities	Period
AMELIA	Technical Architect	July 2021 – August 2022
IQVIA	Architect	August 2018 – March 2021
Friday Media Group	Software Development Lead	April 2017 – July 2018
Yolobee	Architect / CTO	March 2015 – April 2017
Manipal Global Educational Services	Technical Lead	June 2013 – February 2015
PK Online	Project Lead	October 2010 – May 2013
Biond Software Technologies	Sr. Software Engineer	April 2006 – September 2010
Pepsi	Programmer	April 2005 – February 2006

EDUCATION

- Bachelor's Degree in Engineering with Computer Science securing First Division Marks.
- Udemy Course: JSE-40, (preparing for the certification of JSE-40-0x/JSE-40-01).

SOFT SKILLS

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| 1. Strong interpersonal skills | 2. Robust leadership abilities |
| 3. Managing stakeholder | 4. Project Management |
| 5. Presentation skills | 6. Strong Analytical and creative skills |
| 7. Skills in problem solving and decision making | 8. Collaborative Skills |
| 9. Creative Thinker | 10. Emotional Intelligence |
| 11. Resilience | |

Programming Platform

<https://github.com/>
<https://leetcode.com/>
<https://www.hackerrank.com/>