

Bhaskar Ravva

Tech Manager | Engineering Lead | Cloud & Full Stack Architect

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Tech Manager with 12+ years of experience leading engineering teams to build scalable, high-performance applications. Proven success in delivering AI-driven platforms, optimizing cloud costs by 20%, and reducing deployment times by 50%. Expertise in Angular, React, Node.js, AWS, DevOps, and Microservices.

- **Extensive experience** in React.js, building dynamic, component-based, single-page applications (SPAs) with advanced state management using Redux and Context API. **Increased user engagement by 25%** through optimized component rendering and efficient state management using React Hooks and Context API.
- **Expertise in Angular**, developing modular, enterprise-level applications using RxJS, NgRx, Angular Material, and Custom Directives. **Reduced load times by 30%** through Lazy Loading and dynamic component creation for improved performance and scalability.
- **Proficient in Node.js**, building robust, scalable backend services using frameworks like Express.js. **Enhanced API performance by 40%** through the development of optimized RESTful and GraphQL APIs, seamlessly integrating with front-end applications.
- **Hands-on experience with AWS Cloud**, including EC2, Lambda, S3, API Gateway, and CloudFormation, leading to **20% cost reduction** by optimizing cloud resource management and implementing secure, scalable deployments.
- **Deep understanding of DevOps processes and tools** like Jenkins, Docker, Kubernetes, and AWS CodePipeline. **Reduced deployment time by 50%** through the creation of automated CI/CD pipelines, ensuring smooth, continuous application delivery.
- **Focused on code optimization techniques**, improving application performance by **25% through code splitting**, tree shaking, server-side rendering (SSR) in Next.js, and lazy loading, resulting in faster load times and enhanced user experience.
- **Hands-on experience with CI/CD tools** like GitHub Actions and Bitbucket Pipelines for automating testing, builds, and deployments, reducing manual intervention by 40% and improving operational efficiency.
- **Skilled in unit testing and end-to-end testing** using frameworks like Jest, Enzyme, Cypress, Karma, and Protractor to ensure code quality and reliability. **Achieved 95% test coverage**, resulting in improved application stability and **30% fewer production issues**.
- **Strong expertise in cross-browser compatibility and responsive design**, ensuring web applications function seamlessly across all modern browsers and devices.
- **Solid experience with Git, Bitbucket, GitLab, and Azure DevOps** for version control and collaborative development.

Technical Skills

Technical Skills	HTML5, CSS3, JavaScript, Angular, React.js, Vue.js, Next.js, Node.js, Express.js, Seneca, Python, Flux and Redux, Responsive frameworks, SQL Server, RESTful web services, RESTful Web Api, GraphQL, Understanding of Microservices, JSX, JQuery, TypeScript, React Query 3.39.1, Dev Ops, Git, Xunit, Jest Unit, Swagger UI, Postman, Insomnia, AWS, Azure, Accessibility
Databases	SQL Server 2019, Mongo DB
Operating Systems	Windows Server, Windows UNIX
Testing & QA	Jest Unit, Karma Unit test, Test-driven development (TDD).
Web-App Server	AWS server less, Azure
Version Control	Git, Azure DevOps, TFS, SVN.
CI/CD	Jenkins, Azure DevOps.
Developer Tools	VS Code, Adobe Experience Manager, Microsoft Visual Studio.

WORKING PROFILE

- **Tech Manager** at **Sutherland Global Services**, Hyderabad (May 2023 – Present)
- **Technology Specialist** at **Sunera Technologies**, Inc., Hyderabad (May 2019 – April 2023)
- **Senior Software Engineer** at **Accenture Services Pvt Ltd**, Bangalore (August 2016 – May 2019)
- **Senior Software Engineer** at **IBM (Cryptography Technology)**, Bangalore (January 2014 – August 2016)
- **Software Engineer** at **ITP Software India Pvt Ltd, Hyderabad** (April 2013 – December 2013)

PROFESSIONAL EXPERIENCE

Project Name: eSBL - AI-Powered Learning Platform	Sutherland Global Services
Role: Tech Manager	
Duration: Jan – Present	

Project Description: eSBL is an AI-driven learning platform designed to enhance corporate training and skill development. The platform supports role-based access for Admins, Facilitators, Learners, and Training Managers, providing a dynamic and interactive learning environment.

Responsibilities:

- Led a **4-member engineering team**, defining architecture, managing timelines, and ensuring on-time delivery of an AI-powered learning platform. Collaborated with stakeholders to align features with business goals, reducing training costs by 25% and improving engagement by 30%.
- Implemented **interactive learning features**, including **phone-based and email-based tasks, Listen & Rate modules, and real-time scenario execution**.
- Designed a **scalable backend using Node.js and MySQL**, improving database performance for high-volume transactional operations.
- Integrated **ElevenLabs AI for speech recognition and NLP**, enhancing the automated evaluation process.
- Implemented **microservices architecture** to ensure modular and independent feature development.
- Developed **secure API endpoints** and managed authentication using JWT and OAuth.
- Built a **CI/CD pipeline** using AWS CodePipeline and Docker to automate deployments.

Project Name: Aramco – Smart City (Saudi)	Sutherland Global Services
Role: Associate Technical Lead	Location: Dammam, Saudi
Duration: May'23 – Jan'24	

Project Description: Worked on the Smart City Brain project to enhance the digital customer experience and ensure sustainable, secure city operations. Developed a mediator layer to improve system security and reliability, preventing failures.

Responsibilities:

- Utilized **Angular** to develop a dynamic, user-friendly interface, facilitating real-time monitoring and management of city operations, enhancing user engagement.
- Developed robust, scalable back-end services using **Node.js**, ensuring seamless integration and communication between front-end applications and city management systems.
- Managed **MySQL** databases, optimizing queries and schemas to improve performance and efficiency for handling large-scale operational data.
- Integrated **RabbitMQ** to establish reliable, asynchronous messaging channels between smart city services, increasing system resilience and reducing communication failures.
- Implemented a mediator layer to reinforce system security and data integrity, effectively preventing unauthorized access and enhancing the reliability of the overall system.
- Conducted comprehensive performance optimizations across both the front-end and back-end, successfully reducing application response times by 25%, leading to faster data processing and improved system responsiveness.

Project Name: Staffing Next	Sunera Technologies
Role: Technical Lead	Location: Hyderabad, India
Duration: Jan'22 – Apr'23	

Project Description: Developed a Staffing Assist Automation Tool, a SaaS-based AI and ML solution designed to help HR and staffing teams efficiently validate and rank resumes based on job descriptions. This tool reduced the staffing team's time by 40%, processing over 100 resumes simultaneously.

Responsibilities:

- Utilized **React JS** to create a user-friendly, intuitive interface, enabling staffing teams to interact with the tool and quickly review and rank resumes.
- Developed the back-end services using **Node.js**, ensuring the efficient processing of large datasets and seamless integration

with AI/ML algorithms.

- Managed **MongoDB** as the primary database, handling resume data storage, search operations, and job descriptions with optimized querying for fast processing.
- Integrated **AI** and **ML** algorithms to validate and rank resumes, significantly improving the accuracy and speed of the resume screening process.
- Implemented RESTful APIs to facilitate smooth communication between the front-end and back-end systems, ensuring real-time data exchange.
- Conducted performance optimizations, reducing resume processing time by 40% and enabling simultaneous handling of over 100 resumes.

Project Name: CloudTestr	Sunera Technologies
Role: Senior Software Engineer	Location: Hyderabad, India
Duration: May'19 – Apr'23	

Project Description: End-to-End Test Automation Platform, Create end-to-end tests with a solution that supports every phase of the test automation lifecycle, from requirements to reports.

Responsibilities:

- **Front-End Development:** Utilized React, Redux, HTML5, CSS3, and JavaScript to create a dynamic and responsive user interface, ensuring an intuitive experience for users managing test cycles.
- **Back-End Integration:** Developed robust APIs using Spring Boot to facilitate seamless communication between the front-end and back-end systems.
- **Database Management:** Managed Oracle database operations to ensure efficient storage and retrieval of test data, enhancing the platform's performance.
- **Automation Tools:** Implemented automation features that streamlined the testing process, reducing manual effort and increasing accuracy.

Project Name: HRMS Portal	Sunera Technologies
Role: Technical Lead	Location: Hyderabad, India
Duration: May'19 – Apr'23	

Project Description: HRMS service provider application, I oversaw the management of key functionalities, including resource onboarding, timesheets, leaves, SOW, payroll, Invoicing and reporting.

Responsibilities:

- **Product Management:** Led the overall strategy and development of the HRMS application, ensuring alignment with user needs and organizational goals.
- **Front-End Development:** Utilized Bootstrap 4.0, Angular.js, and Material UI to build a modern, responsive interface, enhancing user engagement and accessibility.
- **Back-End Development:** Employed Entity Framework APIs to support the application's functionality, ensuring smooth data handling and integration.

Project Name: Mobile EBPP	Accenture Services Pvt Ltd
Role: Senior Software Engineer	Location: Bangalore, India
Duration: May'17 – May'19	

Project Description: Developed a subscriber management platform for US Cellular, utilizing a microservices architecture to allow users to manage their subscriptions efficiently. The application provided a seamless experience for subscribers and improved overall system performance.

Responsibilities:

- Led the front-end development using Angular to create an intuitive interface for subscribers to manage their accounts and subscriptions effectively.
- Developed back-end services with Node.js (Hapi.js) to ensure efficient data processing and integration with microservices.
- Implemented Single Sign-On (SSO) using JWT for secure and streamlined user authentication.
- Using Seneca framework to manage and orchestrate microservices, enhancing system modularity and scalability.
- Managed application logs using the ELK stack and Filebeat for effective monitoring and troubleshooting.

- Utilized MongoDB for data storage and validation, optimizing database queries for fast access to subscription details.
- Deployed the application in Docker containers and managed cloud deployment on AWS, ensuring reliable and scalable infrastructure.

Project Name: Novamed	Accenture Services Pvt Ltd
Role: Senior Software Engineer	Location: Bangalore, India
Duration: Aug'16 – May'17	

Project Description: Developed a healthcare e-commerce application.

Responsibilities:

- worked as a UI developer, creating a user-friendly interface using Bootstrap to ensure a responsive design for various devices.
- Utilized AngularJS to implement dynamic content and enhance interactivity within the application.
- Conducted unit testing with Karma and Jasmine to maintain high code quality and application reliability.

Project Name: US Cellular (B2B & B2C - Combined Sponsor Advisor Site)	IBM
Role: Senior Software Engineer	Location: Bangalore, India
Duration: Jan'14 – Aug'16	

Project Description: Developed a mobile-first application that integrates Sponsor and Advisor sites, providing users with access to current balance details of associated plans. The site also offers investment performance, plan performance, and comprehensive reports for each plan library.

Responsibilities:

- Designed and implemented a responsive user interface using modern web technologies to ensure an optimal mobile experience.
- Designed and implemented a responsive user interface using **Bootstrap** and **Responsive** to ensure an optimal mobile experience.
- Developed features for displaying balance details and performance metrics using **Knockout.js** for dynamic data binding.

Project Name: BMS	ITP Software India Pvt Ltd
Role: Software Engineer	Location: Hyderabad, India
Duration: Apr'13 – Dec'13	

Project Description: Developed a Business Management System (BMS) to manage all transactions related to the company's operations. This system streamlines business processes and enhances operational efficiency.

Responsibilities: Designed and implemented a comprehensive interface using HTML, CSS, and JavaScript for managing transactions and tracking business activities.

EDUCATION PROFILE

- MCA (Master of Computer Applications) completed in 2012 with 78% from JNTUK.
- BSC (Statistics & Computer science) completed in 2009 with 70% from AU.

CERTIFICATIONS

- Google Project Management Professional.
- Certified in Artificial Intelligence, Machine Learning, and Deep Learning from Udemy.
- AZ-900: Microsoft Azure Fundamentals.
- AWS - Cloud Practitioner.