

Sumanth Bejugam

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OVERVIEW

Full stack developer with 4+ years of experience in building and deploying scalable web applications using React, Node.js, Java, Python, SQL, and MongoDB. Expertise in integrating with AWS services, developing API endpoints, and implementing CI/CD pipelines. Proven ability to lead and collaborate with cross-functional teams to deliver high-quality software solutions. Passionate about utilizing technology to solve real-world problems and create user-centric experiences.

WORK EXPERIENCE

Full Stack Developer

Sep 2024 – Present

Epitome Research And Innovation Inc | VA, USA

- Enhanced user experience for simulation management by developing and optimizing user-facing interfaces using React.js with Mantine, resulting in 40% faster database interactions and a 30% improvement in usability in a high-security environment.
- Accomplished seamless 3D object visualization by enabling rendering and interaction with STL files using the Three.js package in React, resulting in a 50% reduction in rendering time and improved user interaction.
- Established seamless interaction between front-end, back-end, and computational modules by designing and implementing APIs with Flask, ensuring integration of database and simulation solvers.
- Achieved 30% cost savings and scalable resource utilization by automating AWS infrastructure creation and management using Boto3 for EC2 instances, Elastic File System (EFS), and Elastic IP (EIP).
- Enabled 60% faster access to large datasets for real-time simulation needs by integrating MongoDB, ensuring efficient data storage and retrieval.
- Reduced system downtime by 25% and streamlined deployment processes by implementing CI/CD pipelines using CodeBuild and CodePipeline.
- Maintained strict adherence to security protocols and confidentiality guidelines, ensuring compliance with project standards for sensitive data.
- Boosted application reliability by 20% by implementing comprehensive testing and logging across all modules.
- Achieved 98% consistency in UI/UX across Android and iOS by developing a mobile application using Flutter, ensuring seamless cross-platform performance.

Lead Software Developer

May 2020 – May 2024

Confegure Techsols Pvt Ltd | Hyderabad, India

- Facilitated essential goods delivery and supported local businesses during lockdown by designing and developing a highly functional online marketplace using React and Firebase, resulting in a 40% increase in local business sales.
- Captured over 100 leads in the first week post-launch by constructing a fully responsive website for a non-medical transport and home appliance repair service, using React and SEO techniques.
- Ensured seamless integration and efficient performance by crafting and implementing robust web applications using Java Spring Boot for the backend and React for the frontend, leading to a 35% improvement in response time.
- Achieved 50% faster data retrieval and storage by creating and optimizing complex databases using SQL and MongoDB, ensuring high performance for diverse application requirements.
- Facilitated effective communication of design concepts and user flows to stakeholders by building detailed wireframes and interactive prototypes in Figma, leading to a 25% reduction in design iteration time.
- Ensured robust and reliable software performance by conducting thorough testing and quality assurance using automated and manual methods, achieving a 95% bug identification and resolution rate.
- Optimized performance and ensured high availability and reliability for enterprise-level applications by engineering and deploying a highly scalable Node.js and Express server on AWS, resulting in a 40% increase in uptime.
- Significantly enhanced the reliability and performance of a Python package by successfully testing and compiling a comprehensive report, achieving a 95% success rate in identifying and resolving critical bugs.
- Demonstrated expertise in hardware and software integration by building and programming a sophisticated vital tool for marine research, facilitating advanced plankton imaging and analysis, and improving research accuracy by 30%.
- Achieved over 20,000 downloads and high user engagement by developing an AI Android app using Flutter, Java, and XML that tracks movie ticket bookings, offering a unique value proposition to cinema-goers.
- Successfully led multiple projects from conception to publication using Agile methodologies.

CERTIFICATIONS

- Boomi – Associate Developer
- NASSCOM AI
- Certified Cloud Security Professional (CCSP)

EDUCATION

Masters in Computer Science - Computer Science - George Mason University (VA, USA)
Bachelors of Technology - Computer Science with AI Specialization - K L University (HYD, INDIA)

SKILLS

- React, Express.js, Node.js, Java, Python, C++
- SQL, MongoDB, Snowflake, Postgres
- AWS (EC2, EFS, EIP), Apache Airflow
- Dell Boomi, Salesforce, NetSuite
- HTML, CSS, React, Firebase
- Flutter, Java, XML
- Automated and manual testing, Bug identification and resolution
- Agile methodologies, Cross-functional team collaboration, Project delivery