Sai Charan Chandra

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Professional Summary

Full Stack Developer with a Master's in Computer Science, proficient in building scalable web applications with front-end (React, JavaScript) and back-end (Java, Spring) technologies. Seeking opportunities to apply these skills in developing impactful customer-facing applications.

Education

University of South Florida   **August 2023 – May 2025**
Master of Science in Computer Science | GPA: 3.91   *Tampa, FL*

CVR College of Engineering   **August 2019 – May 2023**
Bachelor of Technology in Computer Science | GPA: 3.36   *Hyderabad, India*

Technical Skills

Languages: Java, JavaScript, SQL, HTML5, CSS3, Python, TypeScript

Frameworks & Libraries: React.js, Redux, Spring, Spring Boot, Node.js, Express.js, Tailwind CSS, Flask, Junit, Mockito

Database & Tools: MySQL, PostgreSQL, MongoDB, Firebase, Git, Docker, Apache Kafka

AWS: EC2, ECS, S3, SQS, AWS Glue, RDS, IAM, CloudWatch, DynamoDB, Lambda, VPC

IDEs & Development: Visual Studio Code, IntelliJ IDEA, GitHub, Jira, Agile/Scrum methodologies, CI/CD

Certifications

AWS Certified Cloud Practitioner (CLF-C02) | *Amazon Web Services (AWS)* March 2025

Experience

BlueJeans | *Intern Bangalore, India*   **January 2022 – December 2022**

- Implemented 30+ RESTful APIs for Indigo data analytics center and achieved 98% test coverage of more than 80% of the code base within first 2 months.
- Engineered critical components of the Indigo pipeline to process 1000+ daily traceroutes and endpoint feedback events, utilizing Spring and PostgreSQL with 99.9% reliability.
- Developed a generic wrapper using Spring Data JPA that supported 25+ unique filter combinations, reducing query processing time by 35% on dashboard analytics.
- Implemented custom distributed tracing across 6 microservices with unique tracking IDs, decreasing production debugging time by 40% and improving cross-system event visibility by 75%.

Projects

Personal Goal Tracker (Jira Clone) | *React, Node.js, Java, SpringBoot*   **February 2025 - April 2025**

- Architected a full-stack Jira-inspired task management application that increased productivity by 35%, incorporating customizable workflows, task prioritization across 5 status categories, and dependency management for 50+ concurrent tasks.
- Crafted an intuitive drag-and-drop interface with 8 customizable column types, reducing organization time by 40% and enabling progress visualization across 3 dashboard views.
- Orchestrated collaboration features supporting 10+ simultaneous users, integrating comment threads with 99.8% uptime, file attachments up to 20MB, and version history tracking of 30+ task revisions.

Medicine Prescription Tracker | *Python, Flask, HTML, CSS, Chart.js*   **December 2024 - February 2025**

- Built a cross-platform healthcare management system enabling users to securely track medications, log 10+ health metrics, and access records across devices with 98% data reliability.
- Engineered a smart reminders and alerts module supporting 1000+ monthly notifications via SMS, email, and push, achieving 90% adherence for medications and appointments.
- Integrated AI-driven health insights, multilingual support (5+ languages), and emergency services, increasing user engagement time by 35% over 2 months of pilot testing.

Live Script Compiler | *HTML, CSS, JavaScript, GitHub Pages, Ace Editor*   **August 2024 - October 2024**

- Constructed a real-time web-based code editor with 100ms response time, enabling preview of HTML, CSS, and JavaScript snippets up to 2000 lines.
- Incorporated Ace Editor with 15+ syntax highlighting options and 8 ergonomic features, adding theme toggle functionality that improved user satisfaction by 45% among 20 beta testers.
- Optimized cross-browser compatibility to 98% across 6 major browsers while reducing load time by 60% through efficient asset delivery and code-splitting.