Suvij Reddy Cheemakurthi Software Developer

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Summary

Software Developer with 2+ years of experience specializing in full-stack applications using the MERN stack (MongoDB, Express, React, Node.js). Skilled in designing scalable, cloud-based systems with a strong focus on performance optimization and regulatory compliance (HIPAA, GDPR). Proficient in AWS, Azure, and CI/CD pipelines, along with security mechanisms like JWT and OAuth. Experienced in Agile environments, delivering secure and scalable solutions across healthcare and finance sectors, improving system efficiency and user engagement through innovative, high-quality applications.

Technical Skills

- **Frontend Technologies:** React, Redux, JavaScript, TypeScript, HTML5, CSS3, Bootstrap, Material-UI, Angular
- **Backend Technologies:** Node.js, Express, RESTful APIs, GraphQL, MongoDB, PostgreSQL, JWT, OAuth, Microservices, Hibernate
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, DynamoDB, Cognito, CodeDeploy), Azure (App Services, AKS), Docker, Jenkins, Kubernetes, GitHub Actions, CI/CD
- **Database:** MongoDB, PostgreSQL, MySQL, Redis
- **Version Control**: Git, GitHub, Bitbucket
- **Testing & Debugging:** Jest, Mocha, Postman, JUnit, Selenium
- **Other Tools:** Visual Studio Code, IntelliJ IDEA, AWS CloudWatch, Nginx, Apache Kafka
- **App Development Skills:** Full-stack web development, SPA, Responsive Design, User Authentication, Real-time Data Sync
- **Regulatory Compliance:** HIPAA, GDPR, Data Security Best Practices

Professional Experience

Software Developer, CVS Health   01/2024 – Present | Remote, USA

- Worked on the development of a Telehealth Video Consultation Platform using React, Node.js, and Express, aiding seamless remote sessions and improving healthcare access for patients and providers with real-time, secure video communication.
- Applied WebRTC for high-quality, real-time video calls, integrated patient record management with MongoDB, and developed RESTful APIs to ensure HIPAA-compliant, secure interactions while handling sensitive patient data for sessions.
- Utilized AWS EC2 for scalable infrastructure and S3 for secure file storage, ensuring 99.9% uptime and delivering a highly available and reliable platform accessible across devices, reducing latency and improving user experience.
- Integrated secure user authentication with JWT and OAuth for role-based access control, protecting patient data and third-party healthcare integrations, aligning with healthcare regulations for secure data handling and privacy compliance.
- Used Docker to containerize deployments, ensuring consistent environments and simplifying the deployment pipeline. Automated CI/CD processes with Jenkins and unified AWS CodeDeploy to streamline deployments, easing downtime.
- United within Agile sprints to define system features, prioritize tasks, and iteratively release enhancements, for project goals aligned with business needs and healthcare models to improve consultation efficiency and overall user engagement.

Software Engineer, Verzeo   08/2020 – 08/2021 | Bangalore, India

- Designed modular Java applications leveraging OOP principles like inheritance, polymorphism, and encapsulation while implementing Java concurrency features such as threads and synchronization.
- Developed responsive web applications using JavaScript/TypeScript frameworks like React and HTML/CSS, ensuring a user-friendly interface and dynamic functionality.
- Deployed and managed cloud infrastructure using AWS CloudFormation and Azure DevOps, automating build and testing processes through CI/CD pipelines with Jenkins and GitLab CI.
- Implemented robust RESTful APIs and managed microservice communication using API gateways, while integrating monitoring tools like Prometheus and Grafana for performance tracking.
- Built and optimized data pipelines using Spark SQL, Python, and Apache Kafka to facilitate real-time data flow and processing across multiple systems, enhancing data availability.
- Worked with containerization technologies like Docker and Kubernetes for consistent microservice deployments, alongside database management tools such as Oracle, Microsoft SQL Server, and NoSQL solutions like CosmosDB.

Education

Master of Science, *University of Texas at Arlington*   01/2022 – 05/2024 | Texas, USA
Data Science

Bachelor of Engineering, *New Horizon College of Engineering*   08/2017 – 08/2021 | Bengaluru, India
Computer Science and Engineering