VARUN VAIDYA

4 Years of Experience - Full Stack Developer - React.js, Node.js, Angular, Python, AWS, DevOps

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Experience

Associate Developer   **Dec 2024 - Present**
Massmutual India   *Hyd, India*

- Developed customer-facing portal features on massmutual.com using React.js and Node.js, enabling **700K+** customers to view policies, process payments, and modify coverage, resulting in a **35%** increase in self-service transactions and reduced support tickets by **48%**.
- Architected and developed a innovative, modular, non-invasive React guide tour framework with global tour host and multi-route page continuation logic for massmutual.com, enabling contextual in-app guidance for critical user flows, achieving **55%** improvement in onboarding completion rates.
- Worked on Agent Facing Portal using React.js for UI and Node.js backend, enabling real-time access to **10,000+** agents and customer data records with sub-second response times.
- Collaborated with Java SpringBoot API team to download policy summaries and direct-to-customer delivery feature, streamlining document distribution and reducing manual processing overhead by **60%** for **2,000+** agents monthly.
- Strengthened code quality by implementing and optimizing test cases across applications, improving code coverage from 85% and reducing post-deployment defects by **65%**.

Specialist Programmer   **Nov 2021 - Nov 2024**
Infosys   *Pune, India*

- **Led** end-to-end development of scalable distributed systems, managing a team of **3** developers to deliver responsive, mobile-optimized UIs with React.js across multiple platforms; designed high-level system architectures integrating authentication, frontend, RESTful APIs, and database layers, improving development efficiency by **20%** and ensuring seamless cross-browser compatibility.
- Developed and optimized **45+** production-grade REST APIs using Node.js and Python, leveraging AWS services, reduced data load times by **40%** and achieved **50%** improvement in cold start times while cutting bundle sizes by **75%**.
- **Architected** and deployed enterprise-grade **CI/CD** pipelines using GitHub, Jenkins, and AWS Amplify, achieving 40% reduction in deployment time while orchestrating **50+** serverless functions; streamlined development workflows and reduced post-deployment bugs by **30%** through comprehensive Jest-based unit testing.
- Implemented JWT-based authentication and authorization integrated with Microsoft Active Directory and AWS API Gateway, enhancing security protocols and striving for reduction in unauthorized access incidents by **60%**.

Skills

Languages: JavaScript, Python, TypeScript, Java, SQL
Frameworks: React.js, Redux, Angular 2+, Node.js, Express.js, Bootstrap, Material, Jest
Database: MongoDB, PostgreSQL, AthenaDB, AWS RDS, AWS Aurora, MySQL
DevOps and API Tools: Git, Jenkins, Serverless, Postman, Docker, Terraform, API Gateway, Gemini Generative AI
Cloud Platforms: Amazon Web Services (**AWS**), Google Cloud Platform (GCP), Vercel
Additional Technologies: HTML5, CSS3, SCSS, REST API, XML, SOAP, JSON, Linux, Data Structures, Algorithms

Personal Projects

Bharat Cafe - Food Delivery Platform   **GitHub Link**

- Developed end-to-end cafeteria single-page application enabling users to search and filter food items by tags, add to cart, place orders with location delivery, and process payments on responsive UI.
- Architected secure backend using Node.js and Express.js with JWT and UUID authentication integrated with MongoDB Atlas for reliable user session management and data persistence.

ShareNow - Quickly Share Any File Anywhere   **GitHub Link**

- Built a full-stack encrypted file sharing platform allowing users to securely upload and share large files in less than **30** seconds with UUID protection, providing instant shareable links for rapid contact distribution.
- Developed mobile-responsive frontend and scalable backend using Node.js, Express.js, and MongoDB Atlas, ensuring fast performance, secure data encryption, and seamless cross-device compatibility.

Education

Bachelor of Technology (B.Tech) — CGPA: 7.5 / 10   **Jun 2017 – Aug 2021**

Awards and Certifications

MassMutual Campus Outreach Program | Spearheaded Industry-Institution Partnership   **Award**
Infosys Eureka Rise Award | for Exceptional Performance in FY24 Q1 and FY25 Q1   **Award**
Google Cloud Certifications | ML, AI, Kubernetes Tasks in Google Cloud (Oct 2021)   **Certification**
Published research article in IJIRSET | *Patrolling robot with Computer Vision (Jun 2021)*   **Publication**