

JEETESH CHAMANA

+1(716)-923-5139 | hramsaijeeteshchamana@gmail.com | <https://www.linkedin.com/in/jeeteshchamana>

PROFESSIONAL SUMMARY

- Software Developer skilled in **React, Python, TypeScript, Node.js**, and **AWS**, with expertise in building **RESTful APIs**, troubleshooting backend systems, and optimizing performance and reliability across diverse platforms.
- Proficient in **microservices architecture, CI/CD automation** (Jenkins, GitHub), and database management with **SQL** and **NoSQL (DynamoDB, MongoDB)**. Experienced with **containerization, orchestration, authentication and authorization mechanisms** driving seamless deployments and robust system security while streamlining workflows.

EDUCATION

University at Buffalo - State University of New York, Master of Computer Science and Engineering Candidate Jan 2024
Jawaharlal Nehru Technological University, Bachelor of Technology, Computer Science and Engineering Jun 2021

TECHNICAL SKILLS

Languages:	Python, Java, C, SQL
Database Systems:	MSSQL, Oracle, PostgreSQL, Salesforce, MongoDB
Web Technologies:	HTML, CSS, JavaScript, jQuery, AJAX, JSON, Bootstrap
IDE & Tools:	VS Code, Git, PyCharm, Atlassian JIRA, Jenkins, Datadog, IntelliJ IDEA, NetBeans, Eclipse
Frameworks:	Spring, Flask, Django, ReactJS, NodeJS
Cloud Technologies:	AWS, Amazon EC2, Amazon RDS, Amazon S3, Amazon CloudFront, Amazon DynamoDB
Proficient in Object Oriented Programming, Data Structures and Algorithms	

PROFESSIONAL EXPERIENCE

DataSense IT

Feb 2024 – Present

Software Developer

- Developed **REST** and **SOAP** services using **Django and Node.js**, improving system observability and performance metrics by 25%, enabling proactive issue detection and rapid resolution for high-traffic title research applications.
- Engineered and secured **endpoints** using **OAuth2, JWT, and Express.js**, implementing a microservices architecture on **AWS**, implementing fine-grained **RBAC** access control models and reducing unauthorized access incidents by 30%.
- Implemented and optimized complex **SQL and NoSQL database operations** using **PostgreSQL, MongoDB, and DynamoDB**, improving data accuracy by 25% and ensuring efficient, reliable processing of large datasets.
- Optimized frontend performance using **TypeScript, React, and Next.js**, reducing load times by 30%, improving state management with **Redux**, and enhancing user experience with real-time data updates via **WebSockets**.
- Optimized dependency management using **npm and Yarn**, ensuring efficient module integration, while documenting API workflows and microservices in **Swagger, Postman, and Git**, improving collaboration by 30%.

Aviso AI, Hyderabad, India

May 2021 – Jun 2022

Software Engineer

- Designed and deployed AI-driven solutions for sales forecasting applications using **Python, TypeScript, Node.js** and **React**, delivering real-time metrics on user behavior and improving data accuracy and insights by 30%.
- Implemented scalable backend services on **AWS** with **Lambda, Step Functions, and Kubernetes**, reducing data access latency and supporting over 3,000 requests/second, enhancing real-time processing capabilities for sales data.
- Executed complex **SQL** queries and optimized data pipelines with **Amazon RDS, DynamoDB, AWS S3, and Salesforce** integrations, increasing debugging efficiency by 20% and providing valuable insights for sales and revenue analysis.
- Streamlined **CI/CD** pipelines using **Docker, Jenkins, GitHub** for version control, **AWS CodePipeline**, and **Datadog** for monitoring, reducing deployment times by 30% and minimizing system errors for critical sales intelligence features.
- Automated and secured cloud infrastructure with **Terraform, AWS EC2, and IAM**, increasing the availability and resilience of distributed sales applications while ensuring compliance with data security standards.

ACADEMIC PROJECTS

Online Tender Management System: *Python, Angular, SQL*

Jul 2023 – Dec 2023

- Streamlined tendering with an online TMS, eliminating paperwork and saving time, with **SQL reporting** added for enhanced data analysis and compliance.

Inventory Management System: *NodeJS, React*

May 2023 – Jul 2023

- Developed a modern online grocery platform using **ReactJS, NodeJS**, and **MongoDB**, enabling seamless shopping with features like intuitive browsing, secure payments, order tracking, and efficient cart management.

Pintos Operating System: *C, Linux*

Jul 2022 – Dec 2022

- Enhanced **Pintos OS** process scheduling and system call functionality by implementing advanced synchronization techniques, reducing process wait times by 25% and significantly improving overall system responsiveness.

PUBLICATIONS

Smart Privacy Protection for Location-Based Services using Queueing Modelling in ICMED 2020 E3S Web Conf.,

184 01066: *Java, NetBeans, Overleaf*

Jun 2019 – Jun 2020

- Co-authored a research paper on **Located-Based Services** privacy protection, attaining a 30% reduction in communication load and optimizing query results for refined user experience.