

Jugal Wable

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EDUCATION

Northeastern University

Master Of Science in Information Systems

Boston, MA, USA

Sept 2023 - May 2025

Vishwakarma Institute of Technology

Bachlore of Technology in Computer Engineering

Pune, MH, India

June 2015 - May 2019

TECHNICAL SKILLS

Programming & Scripting: Python, Java, JavaScript, TypeScript, C++, C, Bash, Go

Cloud, DevOps & Automation: AWS (Lambda, S3, EC2, RDS, SNS, KMS, CloudWatch, Auto Scaling, Load Balancer, SES, Secrets Manager), Docker, Kubernetes, Terraform, Packer, Git, GitHub Actions, CI/CD Pipelines, Jenkins, Azure DevOps, Instance Refresh, AWS CLI, Performance & Cost Optimization, Observability & Monitoring

Networking & Security: IAM, AWS KMS Encryption, CloudWatch Alarms, AWS Secrets Manager, Security Groups, VPC, Subnets, NAT Gateway, Route 53, API Gateway, VPN

Databases & Storage: MySQL, PostgreSQL, MongoDB, Amazon RDS, DynamoDB, Amazon S3, Redis, Parameter Groups, Subnet Groups, Database Backups & Replication

WORK EXPERIENCE

Software Developer (Team Lead)

June 2019 - July 2022

TIBCO Software's

MH, India

- **Plugin Development:** Led development of sFTP, Twitter, Google Cloud Services, and Tuxedo plugins for TIBCO Business Works & Jaspersoft, enhancing functionality and user experience.
- **CI Framework Architect:** Designed a CI framework for plugins and adapters, improving development efficiency by 50% and accelerating time-to-market.
- **Team Leadership:** Managed a 7-member team, fostering collaboration, effective communication, and professional growth while ensuring timely project delivery.

Software Development Intern

July 2018 - Dec 2018

Connecticus Technologies Pvt. Ltd.

MH, India

- **3D Reconstruction & AI Development:** Built a 3D reconstruction system using TensorFlow and machine learning, applicable to VR, AR, gaming, and simulation training. Improved NLP and deep learning models, achieving 95.6% accuracy in AI solutions.
- **Technical Expertise & Collaboration:** Applied Python, TensorFlow, and deep learning in a multidisciplinary team, accelerating project completion and enhancing AI model efficiency.

Software Development Internship

May 2017 - Aug 2017

NVIDIA

MH, India

- **Employee Resource Management System (ERMS):** Developed an ERMS using .NET MVC, SQL Server, and AngularJS, improving workspace utilization for cubicles, testing labs, and data labs.
- **Scheduling & Automation:** Optimized lab scheduling with an automated booking platform, boosting satisfaction by 40% and reducing errors.

PROJECTS

Cloud-Based Scalable Web Application Deployment Using Terraform and AWS

- Designed and deployed AWS infrastructure using Terraform (IaC), provisioning VPC, EC2, RDS, S3, SNS, and SES for a seamless user onboarding experience.
- Implemented a CI/CD pipeline with GitHub Actions, automating testing, custom AMI builds (Packer), and deployment to AWS EC2 with Auto Scaling and Instance Refresh, reducing deployment time by 60%.
- Optimized system monitoring using AWS CloudWatch alarms, enabling automated actions to reduce MTTR by 50%, ensuring 99.99% uptime and cost-efficient auto-scaling.

Stream Any – Scalable Streaming Platform

- Developed a high-performance video streaming application using React, TypeScript, Redux Toolkit, and Vite, handling 1,000+ movies & TV shows from the TMDB API.
- Implemented Docker-based deployment, reducing initial bundle size by 40% and improving scalability.
- Improved page load times by 5x using lazy loading, infinite scrolling, and caching mechanisms.

Voice4Rights – Human Rights Advocacy & Discussion Platform

- Built a scalable full-stack social media platform using Next.js, React, Firebase v9, and Recoil, handling 100+ concurrent users with real-time updates.
- Integrated Google Authentication and community management features, supporting 5,000+ test users with robust data security and encryption.
- Refined database queries and real-time updates, ensuring sub-100ms interactions for a frictionless user experience.