CHANDRA PRAKASH BATHULA

chandu.bathula16@gmail.com | +1 (314) 723-0206 | LinkedIn | GitHub | Medium | Portfolio

SUMMARY

Highly skilled and results-driven Front-End Developer with a **Master's in Information Systems** and **3+ years of experience**. Proven expertise in **React.js**, **Vue.js**, and modern front-end ecosystems. Adept at translating complex designs into pixel-perfect, accessible UIs. Experienced in robust **unit, integration, and end-to-end testing** with **Jest**, managing **CI/CD pipelines**, Docker containers, and cross-functional Agile teams. Known for reducing load times by 30% and leading 20+ capstone teams. Seeking to leverage a strong problem-solving mindset and collaborative spirit for impactful opportunities.

EDUCATION

Master's in Information Systems	**Saint Louis University**
GPA: 3.93/4.00	*May 2024*

PROFESSIONAL EXPERIENCE

Saint Louis University	*St. Louis, MO*
Software Developer & Adjunct Faculty	*Aug 2024 – Present*

- Led SLU internal projects as team lead, managing design-to-deployment with React.js, Node.js, AWS, Docker, and CI/CD pipelines.
- Built and deployed 40+ production-ready student projects using full-stack tech: React.js, Vue.js, TypeScript, Redux, Node.js, NoSQL/MongoDB, Firebase Auth.
- Designed and reviewed 30+ responsive, accessible UIs with Figma; integrated Agile, Scrum, Kanban, and Git workflows reflecting real-world SDLC best practices.
- Supervised 20+ capstone teams, troubleshooting APIs, containers, pipelines; reduced blockers by 50% while instilling Git, unit testing, and CI/CD standards.
- Taught and coached 250+ students across Software Development and Advanced Software Development; mentored real-world ML, NLP, GPTs, and Generative AI use cases.

Saint Louis University	*St. Louis, MO*
Technical Intern − Global Grad	*Mar 2023 – Dec 2023*

- Researched and automated iPaaS workflows for priority-based email routing, cutting manual workload by 40% and boosting SLA compliance by 30%.
- Designed and deployed user-friendly UI/UX interfaces for campus IT services, improving navigation and turnaround by 35–50%.
- Integrated Lost-and-Found and 3D print tracking systems with Canvas LMS; improved campus service satisfaction by 25%.

Qentelli Solutions Pvt Ltd	*Hyderabad, India*
Associate Software Engineer	*June 2021 – Jul 2022*

- Contributed as a front-end engineer on the Innovation Team, delivering UI features for 3 in-house enterprise products (5K+ users) using React.js, Vue.js, TypeScript, Redux.
- Translated Figma prototypes into pixel-perfect components; developed cross-platform desktop apps with Electron.js.
- Integrated MongoDB and Java backend; leveraged GitLab and terminal-based automation for builds and deployments.
- Implemented unit, integration, end-to-end tests with Jest (90% coverage); reduced defect leakage by 40%.
- Managed CI/CD pipelines and Dockerized builds; collaborated with QA to identify bugs early, accelerating releases by 25%.

Qentelli Solutions Pvt Ltd	*Hyderabad, India*
Internship	*Mar 2021 – Jun 2021*

- Contributed to 2 internal product builds using React.js, Vue.js, Quasar, Bootstrap, Vuetify, enhancing UI consistency and reducing dev rework by 30%.
- Designed front-end modules from Figma wireframes, ensuring accessibility and visual alignment.
- Collaborated in Agile Scrum teams; used JavaScript-based testing tools and DevTools to fix UI bugs, reducing issues by 20%.

PROJECT EXPERIENCE

- **TubeFlix** (React.js, Tailwind, Firebase, TypeScript): Engineered a video platform (1K+ videos) with adaptive playback and smart search, boosting retention by 25% and cutting load times by 30%.
- **EliteNotes App** (React, Firebase, NLP): Front-end for a note-taking app with 7 ML features — real-time transcription, keyword extraction, semantic tagging — improving accuracy by 25%.
- **Farmers App Design** (Figma): UI/UX for a farmers app for climate/crop logistics; integrated real-time weather data and supply-chain tracking, cutting manual planning by 40%.
- **3D PCA Visualization** (Python, Word2Vec, Plotly): Visualized 10K+ word embeddings, uncovering bias and reducing semantic complexity by 85%.
- **Apparel Recommender** (TF-IDF, Word2Vec, VGG-CNN): Combined text and visual embeddings on 180K+ images for a 20% lift in accuracy.
- **NYC Taxi Demand Predictor** (XGBoost, Random Forest): Predicted on 5M+ trips, achieving <12% MAPE via geospatial clustering.
- **Tableau Dashboards** (Tableau, Kaggle): Built 3 dashboards for salary, Netflix, and Amazon sales data, boosting stakeholder insights by 15%.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML, CSS, Python, R, SQL, MATLAB
Front-End: React.js, Vue.js, Next.js, Node.js, Express.js, Webpack, Parcel, Redux, Electron.js, Quasar, Bootstrap, Vuetify
UI/UX: Figma, Responsive Design, Accessibility (WCAG/ARIA)
Testing: Jest, Cypress, DevTools, Unit, Integration, E2E Testing
Version Control/CI: Git, GitLab, GitHub, Docker, CI/CD Pipelines, Vercel, Firebase Hosting
Cloud/DevOps: AWS (EC2, SNS), Docker, Terminal Automation
ML/AI: scikit-learn, TensorFlow, PyTorch, NLP, Word2Vec, VGG-CNN, XGBoost, Random Forest
Tools/Workflow: VS Code, PyCharm, Jupyter, Agile, Scrum, Kanban, Jira

PUBLICATIONS, AWARDS & ACHIEVEMENTS

- First Author: *"Enterprise Application Tool to Discover Midwest Job Trends."*
- Awarded Distinction and Distinguished Student for Masters Research Project and GPA excellence.