KRATU DESAI

Full-Stack Software Engineer

Full-stack software engineer and creative technologist with 15+ years spanning application development, product UX and visual design. Experience delivering enterprise customer workflows, secure integrations, production support and independent web applications. Exploring applied AI, local speech systems and AI-assisted automation.

TECHNICAL SKILLS

Java, JavaScript, Python, HTML/CSS, React, Angular, REST APIs, SQL
AWS S3, Secrets Manager, Firebase Auth, Firestore, Microsoft Graph, SFTP
CI/CD, SNYK remediation, secure coding, root cause analysis, Git
LLM integration exploration, prompt engineering, Piper TTS, text processing
UI/UX, responsive design, prototyping, requirements, cross-functional collaboration

EXPERIENCE

Senior Software Developer at PARADIGM CORP. since 2021
Develop and maintain customer workflows; support deployments, onboarding and production troubleshooting.
Built Microsoft Graph inbound email processing with sender validation, routing and task assignment.
Implemented secure AWS S3-to-SFTP integration with managed credentials.
Remediated security issues including SSRF, XSS, path traversal and unsafe reflection.
Collaborated with BA and QA teams on enhancements and defect resolution.

Founder / Executive Creative Director at DESAIGN STUDIO since 2011
Digital design, development, branding and user-centered experiences.

SELECTED WORKS

Shows Calendar: Built a full-stack event tracking application using JavaScript and Firestore. Created highly interactive calendar and tabular views, backed by Firebase Authentication. Standardized show metadata to enable advanced search filters and instant CSV reporting.
Alpha Clock: Redefined digital time visualization by engineering a responsive SVG clock. Powered by vanilla JavaScript, the UI displays time via smooth concentric rings
Local Speech Pipeline: Developed a localized Python audio pipeline that transforms raw text into immersive audiobooks using Piper TTS. Designed sophisticated pre-processing workflows, handling text normalization, complex number expansion, natural dialogue pacing, and automated chapter splitting.

desaigner.info | github.com/kratuvwxyz | linkedin.com/in/desaigner