

SHRISAN KAPALI

Full-Stack Software Engineer | Healthcare IT & EHR Implementation | Cloud & DevOps

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 4+ years of experience building secure, HIPAA-focused EHR software for behavioral health and inpatient DDA/IDD providers. Delivered telehealth, scheduling, revenue cycle management (RCM), payments, patient communications, intake, and identity and access management features supporting 150+ active providers per organization. Pairs Java/Spring Boot, TypeScript, Angular/React, MongoDB, and AWS engineering with hands-on client implementation, data migration, and onboarding.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, Go

Frameworks & APIs: Spring Boot, Spring Cloud, Angular, React, React Native, Next.js, REST APIs, WebSockets

Cloud, DevOps & Data: AWS (ECR, CodePipeline), Docker, Terraform, CI/CD, MongoDB, MySQL, JUnit, Jest

Security & Identity: Keycloak, SSO, RBAC, OTP verification, WebAuthn/passkeys, HIPAA

Healthcare: EHR, RCM, CMS-1500, STEDI, X12 277 claim status, eligibility & benefits verification, EOB posting, telehealth, clinical note templates, PHQ-9/GAD-7, eMAR, bed management

Integrations: Stripe Connect, Vonage, Twilio, SendGrid, Wacom STU-540/STU-430 signature pads

PROFESSIONAL EXPERIENCE

Full-Stack Software Engineer

2022 – Present

MindMap LLC (MindWise Health) | Behavioral Health & DDA/IDD EHR Platform

- Developed a high-performance scheduling platform handling 3,000+ daily appointments per organization across 150+ active providers, with individual and group scheduling, provider and facility workflows, and role-based access control.
- Built cross-browser telehealth for desktop and mobile using Vonage APIs, supporting 150+ providers per day averaging 5–10 sessions each.
- Helped build end-to-end RCM: CMS-1500 billing, STEDI claim submission, eligibility and benefits verification, X12 277 claim status processing with rejection-code capture and duplicate-submission guards, payment tracking, and automated/manual EOB posting.
- Integrated Stripe and Stripe Connect to process \$1M+ in copays and patient charges per client, including stored payment methods, full and partial refunds, and payment links.
- Built Message Blaster, a high-volume SMS platform sending 300K+ segments per month per client, with targeting by upcoming appointments, active patients, provider, and facility.
- Led technical implementation and onboarding for provider organizations, configuring CPT codes, clinical note templates, consent documents, PHQ-9/GAD-7 assessments, online booking, insurance verification, eMAR, and bed management.
- Strengthened authentication with Keycloak SSO, custom authentication flows, RBAC, OTP, and passkeys/WebAuthn; resolved SSO provisioning issues for third-party integrations.
- Built HIPAA-focused real-time notifications and patient communications using WebSockets, SendGrid, and Twilio.
- Built a unified Appointment Card consolidating eligibility results, insurance records, copays, consent documents, and verification status for intake, help-desk, and billing teams.
- Integrated Wacom STU-540/STU-430 signature pads and PIN-associated signatures; built secure intake links with access codes, profile verification, and OTP verification.
- Built referral-to-patient workflows covering intake, contact attempts, document requests, and patient-facing forms, substantially reducing duplicate data entry.
- Automated monthly client invoicing with AutoPay charging, manual payment recording, and reconciliation.
- Designed clinical note template datasets in MongoDB (124 schema-exact records covering all single- and multi-select controls) and refined note fields for behavioral health and DDA/IDD documentation.
- Wrote production MongoDB migrations and data-cleanup scripts across patient, medication, notification, and claims collections to keep clinical and billing data consistent.

EDUCATION

Master of Science, Computer Science | University of the Cumberland

Aug 2026

Bachelor of Science, Computer Science | The University of Texas at Arlington

Dec 2021