

SUMMARY

Software Development Engineer with production experience building full stack systems across healthcare, HRMS, event ticketing, and task management. Proficient in **Node.js, React.js, Next.js, MySQL, MongoDB, Redis** and **Socket.IO** — skilled in REST APIs, real-time systems, async job pipelines, and multi-gateway payments. Confirmed **Associate SDE at PayOrc** post-internship; experienced in Agile/Scrum workflows.

EDUCATION

Degree	Specialization	Institute	Year	CPI
B.Tech	Artificial Intelligence & Data Science	Panimalar Institute Of Technology	2024	8.45
INTERMEDIATE	Math, Physics, Chemistry	Viswasai Jr College	2020	7.4
SSC	-	Ratnam School	2018	8.8

EXPERIENCE

- **PayOrc – Associate Software Development Engineer** (*Full-Time*) Oct 2025 – Present
 - Confirmed as **Associate SDE** after internship — owning attendance, payroll, and notification modules in production.
 - Extending backend features and maintaining stability across Agile sprints (DSM, DTM, Sprint Planning).
- **PayOrc – Backend Developer Intern** Apr 2025 – Oct 2025
 - Built modular HRMS backend for attendance tracking using **Node.js, Express.js** and **MySQL** with **JWT + AES-256** auth.
 - Designed **two-stage async payroll engine** (BullMQ + Redis) with configurable concurrency, retry/backoff, and Bull Board dashboard.
 - Built **real-time Socket.IO notification system** with JWT handshake and room-scoped delivery backed by MySQL.
 - Automated **PDF payslip generation** via Puppeteer; Excel payroll exports via ExcelJS; 20+ transactional emails via Nodemailer.
 - **Stack:** Node.js, Express.js, MySQL, Redis, BullMQ, Socket.IO, JWT, AES-256, Puppeteer, ExcelJS, Winston, Joi.

PROJECTS

- **RNest – Home Healthcare Platform** (*Freelance / Full Stack*) 2026
 - Built full-stack telemedicine platform with **90+ REST APIs**, real-time doctor-patient chat (Socket.io + Firebase FCM), and **Agora video calling**.
 - Multi-gateway payments (Razorpay, Stripe, FlutterWave) with subscription plans, doctor wallets, and withdrawal workflows.
 - **59-collection MongoDB schema**; Next.js 14 admin panel (TypeScript, Redux Toolkit, ApexCharts, AWS S3).
 - **Stack:** Node.js, Express.js, MongoDB, Socket.io, Next.js 14, TypeScript, Redux Toolkit, AWS S3, Razorpay, Stripe, Agora, Firebase.
- **HRDesk – HR Management System** (*Team Project / Full Stack*) 2026
 - Async payroll engine (BullMQ + Redis), geo-tagged attendance with OpenStreetMap reverse-geocoding, AES-256 JWT auth, and RBAC middleware.
 - Real-time Socket.IO notifications, Puppeteer PDF payslips, and ExcelJS bulk import/export.
 - **Stack:** Node.js, Express.js, MySQL, Redis, BullMQ, Socket.IO, JWT, AES-256, Puppeteer, ExcelJS, Nodemailer.
- **ORC Desk – Task Management Tool (Jira-style)** (*Team Project / Full Stack*) 2026
 - Hierarchical issue model (Epic → Story → Task → Subtask) with audit trail, drag-and-drop Kanban, sprint planning, and RBAC-gated UI.
 - OTP auth via external HRMS API; auto-generated issue keys; versioned DB migrations.
 - **Stack:** Node.js, Express.js, MySQL, Next.js 14, TypeScript, Tailwind CSS, Redux Toolkit, JWT, CKEditor 5.
- **Loqlee – Event Ticketing Platform** (*Team Project / Frontend*) 2026
 - Real-time concurrency-aware seat selection with server-synced holds, expiry countdowns, and contiguous-block selection logic.
 - 9 payment gateways (Razorpay, Stripe, PayPal, FlutterWave etc.), e-ticket PDF + QR generation, Firebase Firestore chat.

- **Stack:** React.js 19, Tailwind CSS, Material UI, Firebase, Context API, OneSignal, jsPDF, Google OAuth, i18next.

CERTIFICATIONS

- Data Visualisation using Python • Full Stack Development • Explore Machine Learning Using Python • Email Writing Professional

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Python, SQL
- **Frontend:** React.js, Next.js 14, Tailwind CSS, Material UI, Redux Toolkit, Context API, HTML, CSS
- **Backend:** Node.js, Express.js, Socket.IO, BullMQ + Redis, JWT, AES-256, Multer, Puppeteer, node-cron, Joi
- **Databases:** MySQL, MongoDB (Mongoose), Redis
- **Cloud & Integrations:** AWS S3, Razorpay, Stripe, Firebase (Firestore/FCM/Auth), Agora, OneSignal, Google OAuth, OpenStreetMap
- **Tools:** GitHub, Postman, VS Code, Bull Board, Winston, ExcelJS, PhpMyAdmin, Sailpoint (Basic)
- **Data & Reporting:** Power BI, MS Excel (Pivot Tables, Filtering), ExcelJS
- **Agile & Collaboration:** MS Teams, Outlook, Zoom — DSM, DTM, Sprint Planning
- **Key Skills:** Full Stack Development • Real-Time & Async System Design • REST API Design • RBAC • Agile/Scrum • Problem-Solving

EXTRA-CURRICULAR

- Won **Silver Medal** in **Kabaddi** at state nationals, Ratnam Schools ground, Tirupati.
- **Poster Designer** for school events — managed multiple creative projects within deadlines.