

PHANEENDRA BHEESETTI

Senior Software Engineer

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PROFESSIONAL SUMMARY

Senior Software Engineer with 6+ years shipping scalable, production-grade systems end-to-end across aviation, finance, and healthcare. Built enterprise platforms at Airbus used across five countries, translating complex business requirements into reliable tools that teams depend on daily. Equally comfortable architecting systems from scratch and driving cross-functional alignment with stakeholders at every level. IIT Madras alum, currently solo-founding an AI-powered interview preparation platform. Combines strong technical depth with sharp product instinct and a bias for shipping.

SKILLS

Languages & Data	TypeScript, JavaScript, Python, Java, SQL, HTML, CSS • PostgreSQL, MongoDB, Redis, Kafka, Google Sheets API
Frameworks & Infra	React, Next.js, Angular, Node.js, Express, FastAPI, Electron, Redux Toolkit, Zustand, Tailwind, Prisma, Django, BullMQ, Docker, nsjail, AWS, Jenkins
AI / Voice / Auth	Claude API, Claude Code, MCP, Deepgram STT, ElevenLabs TTS, Kokoro TTS, Clerk, Razorpay, OAuth / JWT
Testing & Telemetry	Vitest, Playwright, Jest, PostHog, Sentry, GA4, SonarQube, Git, JIRA
Methodology	Agile, Scrum, TDD, CI/CD, Code Review, Incident Response, On-call

EXPERIENCE

CodeRyu — AI Voice Interview Prep Platform

Jan 2026 – Present

Solo Founder & Full-Stack Engineer • Side Project

Solo-built SaaS — voice + DSA + system design interview prep — preparing private beta for Q2 2026

- Built real-time voice interview engine, Deepgram STT + Kokoro TTS + streaming LLM with phase-based FSM, rupture detection, and adaptive multi-level hint ladder
- Engineered LLM-as-judge eval pipeline on a 500-transcript corpus, weighted kappa across 13 rubric criteria with oracle-rule calibration (text and voice chat)
- Orchestrated an AI-native dev workflow shipping 7,000+ tests (API + web + Playwright E2E) via 14 specialist agents and 15 automation hooks
- Hardened sandboxed multi-language code executor; Docker + nsjail + BullMQ worker pool delivering sub-second cold starts across 4 languages
- Shipped production-grade infrastructure; Clerk authentication, Razorpay tier-gated payments, OWASP audit, PostHog + Sentry + GA4 telemetry

Tech React 18, TypeScript, Express, Postgres, Prisma, BullMQ, Kafka, FastAPI, Docker, nsjail, Claude Code

Alten (contracted to Airbus) — Senior Software Engineer

Mar 2021 – Present

Bangalore, India

ABAcS Budgeting Tool

Apr 2023 – Present

Tracks and allocates EUR 500M+ annual budget across 1,500 users (spanning France, Germany, UK, Spain and India)

- Solo-architected and delivered the full-stack tool end-to-end, cut budget allocation cycle by 70% and compressed audit prep from days to hours
- Integrated Google Sheets as the live data layer (sanctioned system of record for Airbus VPs and domain managers) with hybrid object caching + global search
- Designed a multi-tiered role-based access layer adaptable to Germany, EU, and India financial regulations; tailored dashboards for 6 organizational levels
- Personally interviewed users at all 6 organizational levels to surface pain points; shipped a feedback-telemetry system that accelerated bug resolution

Tech JavaScript, React, Material UI, Google Apps Script, Google Sheets API, Crypto JS (secures data according to EU guidelines)

ECM Tool

Sep 2025 – Mar 2026

Desktop app replacing legacy Excel-macro workflow for publishing classified Airbus documents into the central archive

- Architected and shipped the full Electron + React + Node desktop app end to end; cut per-document publishing time from 2–3 hours down to 10–15 minutes
- 2,000+ classified documents published through the tool to date; enabled a single publisher to handle throughput previously requiring an entire manual team

- Implemented OLE container extraction, PDF processing pipeline, and CFB-library integration to parse complex embedded-document structures inside Word files
 - Designed a modular plugin for powering signature removal, metadata extraction, and batch processing; giving operators composable publishing workflows
- Tech** Electron, React, Node.js, JavaScript, AdmZip, PDF-lib

Quality Tracker Tool (M&P)

Nov 2022 – Feb 2023

Full-stack supply-chain quality issue tracker with automated email alerts, approval workflows and more

- Spearheaded the solo full-stack build in 2 months; delivered to 500+ users across 5 countries; handed off to a 2–3 engineer team that extended the platform further
- Cut supply chain quality issue approval cycle from 1–2 days down to 2–3 hours, and drove zero bug-induced downtime in the months following production launch
- Directly ran user interviews and cross-functional stakeholder meetings to scope, prioritize, and shape the entire feature set end-to-end before and during the build

Tech JavaScript, HTML, CSS, Google Sheets (DB), Apps Script, AppSheet

MPO (Skywise)

Nov 2021 – Oct 2022

Airline maintenance-program tracking and scheduling platform actively used by 8,000+ operator accounts

- Owned the interactive PDF dossier generation pipeline with embedded digital signatures for airline operators to hand off maintenance programs between teams
- Hardened reliability by writing Jest unit and integration tests across existing modules; served as team incident-review focal, resolving 15+ critical production defects
- Shipped feature increments and defect fixes in close partnership with business stakeholders and cross-team engineers, driving faster customer-issue turnaround

Tech Node.js, React, Redux, Palantir, AWS, Jenkins, Jest

Composite Compatibility Tool (CCT)

Mar 2021 – Oct 2021

Web app automating compatibility detection for composite materials in aircraft manufacturing

- Built the web app from scratch as a 2-engineer team; ideated and coded UI/UX with global search, ag-Grid tables, and Firebase auth; cut testing cycle time by 80%
- Supported backend on PostgreSQL schema design and APIs powering the composite-material compatibility logic and downstream material-validation flows

Tech TypeScript, Angular, Jest, PostgreSQL, ASP.NET

Claim Therapist — Software Engineer

May 2020 – Jul 2020

Healthcare Insurance Claim Assist (B2B / B2C)

- Built initial Django product website; partnered with Founder CTO on ERP design, data models, and end-to-end user flows for TPA, hospital, and admin dashboards

Societe Generale — Software Engineer

Jul 2019 – Mar 2020

Finance Risk Management Division

MyMetrics — contributor to a 60K-line PnL and risk-certification analysis platform used by business and risk analysts in SG's Finance Risk Management division

- Single-handedly raised the codebase SonarQube rating from D to A+ over 10 months via disciplined code reviews, targeted refactoring, bug fixes, and UX changes
- Built 5 new APIs powering risk and PnL metrics dashboards, complex ag-Grid tables, and tracking flows consumed by SG finance business lines and risk analysts

Tech Angular, TypeScript, HTML, CSS, Java, Postgres, SonarQube

EDUCATION

Indian Institute of Technology (IIT) Madras

2014 – 2019

Dual Degree, Civil Engineering • Minor: Operations Research

CERTIFICATIONS

- [High-Level System Design - Educosys](#)
- [React / Redux - NamasteDev](#)
- [JavaScript - NamasteDev](#)
- [Advanced Angular - Cutshort](#)

INDUSTRIES Finance • Banking • Aviation • Healthcare Insurance • Construction