

Pavan Kumar

Senior Software Engineer & Architect

CONTACT

Email

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Location

Brahmavara, Karnataka, India

GitHub

github.com/pavanputhra

LinkedIn

linkedin.com/in/pavanputhra

TECHNICAL SKILLS

Languages

Elixir JavaScript
TypeScript Python
Go C# Solidity

Frameworks & Web

React SvelteKit
Phoenix Express
Meteor.js Django
Web3

Real-Time & Voice

WebRTC SIP
FreeSWITCH vCon
Voice Bots

Data & Cloud

PostgreSQL MongoDB
ElasticSearch Redshift
AWS Kubernetes
Helm Flux

AI

LLM Integration
OpenAI API

EDUCATION

M.Tech, Computer Science & Information Security

2014

B.E., Information Science

2011

HIGHLIGHTS

- ▶ Top Rated Plus on Upwork — 100% Job Success

PROFILE

Software architect and full-stack engineer with 10+ years building production systems end to end — from real-time voice infrastructure (SIP, WebRTC, FreeSWITCH) to AI-driven conversation analytics and cloud-native deployments on Kubernetes. Creator of an open-source CPaaS / contact-center platform and contributor to the IETF vCon standard for conversation data. Proven record of delivering for demanding clients as a Top Rated Plus consultant with a 100% job-success score across 17 engagements and 12,000+ hours.

EXPERIENCE

Software Architect & Independent Consultant

2014 – Present

Top Rated Plus · VoIP, WebRTC, Voice Bots & Full-Stack Engineering

17

ENGAGEMENTS

12K+

HOURS

100%

JOB SUCCESS

5.0

CLIENT RATING

- Architected and built a **cloud contact-center / call-center platform** from scratch using **SIP** and **WebRTC** to route and manage live customer calls, with **LLM-powered** call transcription and analysis.
- Designed a **Customer Experience Management (CXM)** platform for an automotive client on **Django** and serverless infrastructure, surfacing actionable lead and conversion insights.
- Automated end-to-end deployment to **Kubernetes** using **Helm** charts and **Flux** GitOps, standardizing reproducible releases.
- Built an SMS-based **customer-support portal** in **Meteor.js** and **Elixir**, collaborating in a pair-programming delivery team.
- Developed a **business-intelligence** application on **Amazon Redshift** helping Amazon sellers identify top-performing products by season, plus a Chrome extension for competitive seller research.
- Delivered inventory-management, CMS, internal event-management and hybrid mobile (Ionic) applications across multiple clients.

Project Intern · Oracle

2013 – 2014

- Developed and maintained components of an **Enterprise Integration Bus** within Oracle's middleware stack.

Associate Software Engineer · ReadiMinds

2011 – 2012

- Built **ASP.NET** interceptors that captured application events and forwarded them to an **Intrusion Detection System** for security monitoring.

OPEN SOURCE & STANDARDS

Comcent Community Edition · Creator & Maintainer

github.com/comcent-io

- Building an **open-source CPaaS / contact-center platform** in **Elixir**, integrating a tuned **FreeSWITCH** fork, a Go **SIP** stack (sipgo) and OpenAI tooling for AI-assisted conversations.

vCon — IETF Virtualized Conversation Standard · Contributor

- Implemented the **vCon** specification — the emerging IETF standard container for conversation data — enabling portable, interoperable capture of voice and chat interactions across the platform.

Developer Tooling · github.com/pavanputhra

- Author of **dockdj** (production-grade Django deployment tooling) and **logspout-signoz** (container log routing to SigNoz observability); 24 public repositories.