Aadarsh

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Summary — Software Development Engineer II with 3+ years of experience owning features, modules, and products end to end, from system design and backend architecture to React frontends, third-party integrations, testing, and production. Strongest on the backend, with a consistent record of shipping complete, working products.

Skills

Languages	JavaScript, TypeScript, Python
Backend	Node.js, Fastify, Express, Frappe, REST APIs
Frontend	React, Vue.js, HTML, CSS
Databases	PostgreSQL, Drizzle, MySQL, MongoDB, Redis
Architecture	System Design, Microservices, API Design
Auth & Security	RBAC, SSO, OTP Auth, AES-GCM, RSA
Testing	Jest, Testcontainers, JMeter, Mocha/Chai
DevOps	Docker, Linux, CI/CD, AWS, Azure
Integrations	Brevo, Exotel, Plivo, MSG91, WhatsApp, PayU
Protocols	OCPP, OCPI, WebSockets, Webhooks
AI	Claude API, AI Assistants, Speech-to-Text
Tools	Git, Jira, BullMQ, Postman, ELK

Experience

GreenFortune, Hyderabad, India **Oct 2025 – Present**
Software Development Engineer II

- Architected the Project Visualiser backend from scratch (RBAC, data scoping), a key selling point in fundraising.
- Co-built OpsGate (Fastify, PostgreSQL, Drizzle, React), automating the order lifecycle from survey to handover.
- Replaced Freshworks with an in-house Frappe CRM (leads, call dispositions, DPRs), significantly cutting SaaS costs.
- Set up Exotel calling across CRM and OpsGate, helping the sales team reach and win significantly more customers.
- Connected CRM and OpsGate with SSO and automatic product creation in Operations when a lead is won.
- Shipped a Claude-powered, product-aware AI assistant for the customer dashboard for self-serve product queries.
- Modeled unit-level partial progress with explicit state transitions, server-side role checks, and database constraints.
- Generated typed API contracts consumed by the React frontend, keeping backend and frontend in sync.
- Engineered email, call, SMS, and WhatsApp adapters with authenticated, deduplicated delivery-receipt handling.
- Automated Jira ticket creation (AWS Lambda, Terraform) from OpsGate users' emails to the production request board.
- Mentored engineers via code reviews; set up best practices and Jest + Testcontainers testing at 100% backend coverage.
- Implemented payment management and PayU gateway integration for end-to-end transaction tracking.
- Developed AI-driven voice-to-text transcription and automated quotation summarization for sales workflows.
- Published a shared React + TypeScript visualization package (GitHub Packages) reused across repos.

Numocity Technologies, Bengaluru, India **Jun 2023 – Sep 2025**
Software Engineer

- Designed EV charging microservices handling real-time charger-to-CSMS communication over WebSockets.
- Owned the OCPP server managing 20k+ charge points worldwide, leading features, refactoring, and code reviews.
- Architected an aggregator microservice unifying multiple Charge Point Operators into one platform.
- Built subscription, payment, invoicing, reporting, and OTP auth modules for a platform serving 10+ Fortune 500 clients.
- Developed automated load testing tools to benchmark and validate backend scalability.
- Served as Site Reliability Engineer, ensuring production stability and resolving critical incidents.

Projects

Recent independent products I designed, built, and shipped solo, taking on problem statements outside my day-to-day work.

Stratum **Evidence-Grounded AI, Cloud Intelligence**

- AI-first cloud workspace linking Azure inventory, config history, costs, and governance, with source-grounded answers.

Agrithm **Scoped Authorization, Workforce Management**

- Farm workforce platform for attendance, wages, and worker ledgers, with farm-scoped, role-based permissions.

CipherDesk **Applied Cryptography, Web Security**

- Browser-local encryption for text and files using AES-256-GCM and hybrid RSA-OAEP, with no uploads or accounts.

Education

NMAM Institute Of Technology, Nitte, India **2019 – 2023**
B.E. in Information Science & Engineering — CGPA: 9.66
Best Outgoing Student, ISE (Lt. Dr. B.N.S. Murthy Memorial Award)