



# CHAND KIRAN SINGH

## SENIOR SOFTWARE ENGINEER 2

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### SUMMARY

Senior Software Engineer with 5+ years building and scaling full-stack web applications in Node.js and Angular — from CRM integrations and conversational bots serving millions of users to enterprise document-automation for the insurance sector. Author of org-wide npm packages and reusable components.

### SKILLS

**Frontend:** Angular (v8+), React.js, JavaScript, jQuery, HTML5, CSS3

**Backend:** Node.js, Express, PHP, Python, REST APIs, Cron

**Databases:** MySQL, MongoDB, Firebase, Realtime DB

**DevOps & Tools:** Docker, Jenkins, CI/CD, Git & GitHub, Bash

**Mobile:** Android, Java, XML

**AI & Robotics:** Reinforcement Learning, Genetic Algorithms, Unity 3D, Raspberry Pi

### EDUCATION

#### M.Tech — Artificial Intelligence & Robotics

Gautam Buddha University · 2019 – 2020

#### B.Tech — Software Engineering

Gautam Buddha University · 2015 – 2019

### TRAINING & INTERSHIPS

- Research Scientist (trainee) — IIT Delhi, Robotics & MEC 5G testbed
- Android Developer Lead — Avika Limited (2019)
- Android Development — Fazzoni Pvt. Ltd. (2018)
- Java/J2EE & Android — Ducat, Greater Noida (2017–2018)
- Web Developer — Live Tech Services Pvt. Ltd. (2017)

### ACHIEVEMENTS

- Selected to work on a Robotics communication system at IIT Delhi.
- 1st position — Model & Idea Showcase, 2017.
- Ranked 5300 nationally on HackerEarth.
- Led the technical committee of GBUCL (2017 & 2018).
- Led the university programming club (2017 & 2018).

### EXPERIENCE

#### Senior Software Engineer 2

Zemoso Technologies Pvt. Ltd.

Jul 2024 – Present

- Authored **org-wide npm packages** — reusable Angular Material components (a custom paginator & table styler) now used in **every data table** across the organization, eliminating duplicated code and cutting per-feature development effort.
- Built a **request-caching layer** keyed on URL + payload for infrequently-updated data, reducing redundant API calls, server load and database connections.
- Designed a **throttled cron-based deletion** architecture for object storage — queues user-requested file deletions and processes them gradually so slow OSS removal never overwhelms the system.
- Interviewed candidates and mentored** bench consultants between client engagements.

#### Full Stack Developer

LUMIQ · Crisp Analytics Pvt. Ltd.

Mar 2023 – Jul 2024

- On the UNIFIED team delivering to CHOICE (Canara HSBC Life Insurance), automated document-heavy insurance workflows previously done entirely by hand.
- Automated Aadhaar masking, PAN extraction, account-statement reads and minimum-balance checks (via the bank rule engine) — cutting an agent's manual process from **~7 days to ~1 day**.
- Document data-extraction pipeline reached **99.5% read accuracy**; built DEQC handling for multi-insured policies.

#### Associate Software Engineer

Gupshup Pvt. Ltd.

Apr 2021 – Feb 2023

- Shipped **50+ conversational bots** across banking, payments, ticketing and feedback — including for **Axis Bank, Hero FinCorp, Mamaearth and 6thStreet**.
- The Axis Bank bot served **2M+ users** by the time I left.
- Authored the team's reusable bot generator, published on npm ([generator-gupshup-bot-ck](#)), cutting initial bot setup from **~3 days to a few hours**.

#### Software Developer Engineer

SaaS Labs Pvt. Ltd.

Jan 2020 – Feb 2021

- Built CRM integrations with **Zoho, Zendesk, HighLevel, Outreach** and more; owned API creation, cron management and database handling.
- Sole engineer** on migrating the JustCall Android app (**1M+ users, 20M+ business messages**) to AndroidX, and implemented its **merge-calls** feature.
- Improved frontend UX through reduced clicks, micro-interactions and dedicated loading screens using custom JS & CSS.

### PROJECTS

**Authentication & Spam-Detection REST APIs** — Node.js + Firebase backend with token-based auth and encrypted passwords; Register/Login/Search/Mark-as-Spam endpoints. Live demo on portfolio.

**Driverless Car — AI & Genetic Algorithms** — B.Tech major: reinforcement-learning self-driving vehicle simulated in Unity 3D, hardware on Raspberry Pi. [github.com/chandkiransingh/IOT](#)

**BAMS — Bluetooth Attendance System** — Android app using Bluetooth to simplify and moderate attendance. [github.com/chandkiransingh/Bluetooth-Attendance-System](#)

**WSD — WhatsApp Status Downloader** — Android utility to save image & video statuses to device. [github.com/chandkiransingh/Whatsapp-Status-Downloader](#)