

Harsh Kumar

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🔗 harsh-portfolio/resume-ui

Education

K.V. No.2 Delhi Cantt, CBSE

PCM with C++ (76 %)

Mar 2017 – May 2018

Delhi, Cantt

Dronacharya College of Engineering, MDU

B.Tech in Computer Science & Engineering (79.8 %)

Aug 2019 – July 2023

Gurugram, Haryana

Experience

Akal Information System Pvt Ltd

Software Engineer

Aug 2022 – Current

New Delhi, Delhi

- Spearheaded front-end development with Angular, consistently surpassing project timelines and expectations.
- Contributed to Candidate Relationship Management, optimizing payrolling processes for employers and employees, ensuring swift and effective delivery of PF and ESI benefits.
- Implemented microservices architecture using Node.js and Express, improving API response time by **25%** and reducing server load by **30%**.
- Engineered and maintained PostgreSQL functions, optimizing performance.

Projects

TankhaPay | Angular, Bootstrap, JQuery, NodeJs, PostgreSQL



- Led frontend development and engineered an end-to-end employee attendance and payroll system, encompassing signup, login, and onboarding processes.
- Established PF and ESI benefits, tailored for blue-collar jobs, enhancing efficiency and inclusivity.
- Designed and deployed a scalable RESTful API using Node.js and Express.js Framework, achieving a **30%** improvement in data retrieval speed.
- Instrumental in securing **\$2.7 million USD** in funding from Japanese investors, showcasing the project's significant impact and viability.

TPay-Ops | Angular, Bootstrap, JQuery, NodeJs, PostgreSQL

- Boosted team efficiency by streamlining employer onboarding (**Onboarded 4,300+ clients in a year**) .
- Centralized Employer Ledger Management System for efficient tracking of Totals & Balances .
- Automating Compliance, Payment & Billing Processes (invoices, receipts, discounts) .

Cafe Management | Angular, Bootstrap, JQuery, NodeJs, PostgreSQL, Azure



- Ensured intuitive interfaces for user-friendly interactions.
- Streamlined order processing and enforced secure billing.
- Ensured robust and efficient data handling to support system functionality.
- Executed strategies for secure and reliable data management.
- Architected a scalable solution, integrating frontend and backend components seamlessly. Optimized cafe operations while prioritizing security with JWT authentication and efficient data handling with PostgreSQL functions.

Achievements

- Attained the 9th position in my college during the 5th semester among 200 students, achieving a remarkable CGPA of 9.0.
- Our project qualified from the college level competition at the Smart India Hackathon (SIH), where over 30 teams participated .
- Published research paper: Management of geospatial data using blockchain (April 8, 2023) .

Technical Skills

Languages: TypeScript, JavaScript, Java, Basics of C/C++

Technologies: HTML5, CSS, Angular, Express.js, jQuery, Bootstrap, Node.js, Basics of PostgreSQL, Git