

# Amreet Kumar Khuntia

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## Education

**National Institute of Technology Rourkela**  
*Bachelor of Technology in Electrical Engineering*

*Dec 2020 – May 2024*

## Experience

### Software Engineer

*Juspay*

*Bangalore, IND*

*Aug 2024 - Current*

- Led a 4-person team in transitioning 11 services from AWS EKS to GCP GKE, cutting infrastructure costs by 20% and improving overall system uptime to 99.99%.
- Led the design of a centralized monitoring solution, reducing system MTTR by 40% through end-to-end visibility.
- Engineered a tree-structured logging system processing 1 million+ daily logs, accelerating debugging processes by 75% and slashing the recovery time objective (RTO) from four hours to under one hour.
- Architected an automated order verification system, leveraging risk scoring and anomaly detection, which minimized fraudulent orders by 40%.
- Collaborated with the data engineering team to fortify PostgreSQL infrastructure, boosting data retrieval speeds by 35% and ensuring data integrity across applications.
- Deployed a ClickHouse time-series database to monitor key metrics, enhancing tracking for user sessions and notifications.
- Collaborated with the teams to resolve 50+ high-priority (P0) bugs, enhancing system stability and reducing critical failures.
- Led technical integrations for merchants with \$10M+ in annual transactions, delivering custom API solutions.
- Mentored 10 junior engineers in CI/CD best practices, automating testing and deployment to reduce manual effort.
- Leveraged a tech stack of Haskell, PureScript, TypeScript, PostgreSQL, ClickHouse, and observability tools (Grafana, Prometheus).

### Software Engineer Intern

*Juspay*

*Bangalore, IND*

*Jan 2024 – Jul 2024*

- Drove a 75% reduction in Return-to-Origin (RTO) for 30k+ monthly orders by launching a scalable address validation service that boosted accuracy by 60%.
- Set up an AWS anomaly detection system, cutting alert fatigue by 30% and unresolved incidents by 25%.
- Leveraged Haskell, PureScript, TypeScript, PostgreSQL, Kibana, and Grafana for scalable services and monitoring.

## Projects

### Lilac (TypeScript Logging Package)

[lilac-typescript](#) [package](#)

- Conceptualized and deployed a lightweight TypeScript logging package to NPM, cutting debugging time by 20% and allowing faster identification and resolution of major issues.

### Vernix (Svelte Component Package)

[vernix](#) [package](#)

- Developed and published a Svelte component library with over 10 reusable components and built-in transitions to accelerate UI development and enforce consistent design patterns.

### Hospital API

[frontend](#) [backend](#)

- Implemented five advanced filtering mechanisms within the patient records API, enabling medical staff to retrieve critical patient data 60% faster and improving overall care coordination efficiency.
- Partnered with a 3-person backend team to ensure seamless API integration, earning recognition as a top 10 contributor for high-quality code.

## Achievements

- Postman — Top 10 in API Fest Hackathon (2022) and API Fundamentals Student Expert Badge (2023).
- Leetcode & GFG: Solved over 500+ questions altogether on both platforms.

## Technical Skills

**Languages:** Haskell, PureScript, TypeScript, JavaScript, C++, C, SQL, Groovy

**Frameworks & Libraries:** ReactJS, Svelte, ExpressJS, Servant

**Databases:** PostgreSQL, ClickHouse, MongoDB, MySQL

**DevOps & Infrastructure:** AWS, GCP, Docker, Kubernetes, Prometheus, Grafana, Kibana, Vector, OpenObserve, Envoy, Squid