

Hirnaymay Bhaskar

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Experience

Software Engineer, BIK.AI – Bengaluru, India

Dec 2024 – Present

- Eliminated 85% of sync failures and reduced processing time by 60% for 250+ stores handling 2M+ daily product updates by redesigning Shopify sync architecture, refactoring legacy code, and simplifying complex state machines
- Built production RCS messaging platform using Node.js microservices with template sync, webhook handlers, broadcast APIs, and WhatsApp-compatible template mapping, achieving 99.9% uptime while processing 500K+ monthly messages for 50+ enterprise clients
- Increased conversion by 35% through A/B testing across 1M+ campaigns by developing segment sorting system using Elasticsearch aggregations and custom scoring algorithms to prioritize active customers in campaigns
- Reduced failed campaign impact by 60% and prevented \$300K+ annual losses by developing Campaign Health Check system with real-time monitoring that auto-aborts underperforming campaigns
- Eliminated manual invoicing errors for 250+ clients by building revenue infrastructure with React and Redux dashboard and Node.js backend, implementing model-based AI charge calculations and automated invoice generation with client-specific markup logic

Google Summer of Code Developer, VideoLAN (VLC Media Player) – Remote

May 2024 – Oct 2024

- Reduced editing time by 75% for VLC's 3B+ users by designing multi-file metadata editing subsystem in C++ and Qt, refactoring legacy APIs to support batch operations, implementing undo and redo with command pattern, and creating extensible metadata provider interface

Google Summer of Code Developer, MuseScore – Remote

May 2023 – Oct 2023

- Built reusable popup and inline text editing framework in C++ using Qt's model-view architecture, creating base widget classes and event handling system that modernized notation workflow for millions of daily users, released as flagship feature in MuseScore 4.6

Projects

YouTube Comments Search – Chrome Extension

github.com/octopols/Quack

- Built Chrome extension for YouTube comment search using optimized inverted index and progressive loading, delivering faster results than competitors with native-like UX embedded in YouTube's interface

Google Trends API Toolkit – Python Library

github.com/octopols/google-trends-api-toolkit

- Reverse-engineered Google Trends by analyzing browser network traffic and authentication flow, building Python wrapper with REST API, CLI, and web dashboard for programmatic access to trending data

Skills

Languages: JavaScript, TypeScript, C++, Python, C, Dart, SQL

Technologies: Node.js, Express.js, React, Redux, Qt, Flutter, Git, Docker, Kubernetes

Databases: Firestore, Elasticsearch, PostgreSQL, Redis, MySQL

Cloud: Google Cloud Platform, Firebase, Cloud Tasks, Serverless Functions, CI/CD

Achievements

- **2x Google Summer of Code:** Selected twice consecutively (2023, 2024) from <1% of applicants to contribute to VideoLAN (VLC) and MuseScore open-source projects with millions of users
- **BIK Hackathon Winner (2nd Place):** Built AI-powered marketing automation in 24 hours as only hackathon project deployed to production serving 50+ enterprise clients

Education

Ajay Kumar Garg Engineering College – B.Tech in Computer Science and Engineering

2020 – 2024