Shubham Kumar

Senior Software Engineer

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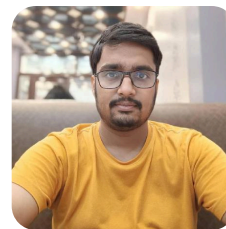
About

Seasoned software engineer with expertise in end-to-end development cycle. Demonstrated success in optimizing intricate systems, overhauling payment applications, and elevating user experiences through inventive solutions.

Work Experience   6+ Years

AirFi **Remote**   2021 - Present
Senior Software Engineer

- Designed and optimized intricate systems for enhanced efficiency and reliability.
- Enhanced offline payment applications by integrating online verification capabilities when internet connectivity is available.
- Increased captive portal launch rates by 50%, achieving over 75% success.
- Developed a versatile remote sync service for efficient content synchronization across platforms.
- Refactored ADS-B services, ensuring seamless event communication.
- Improved email accessibility via satellite, playing a pivotal role in project success.
- Implemented text-only format restrictions, significantly improving email accessibility.

Juspay **Onsite**   2018 - 2021
Software Developer

- Served as a core team member, responsible for designing and implementing the payout system.
- Revamped CRED app's payment backend in PureScript, slashing payout time from 1 minute to 6 seconds
- Enabled seamless credit card transactions by integrating with multiple banks and payout providers; refactored the transaction flow, reducing processing time at all possible stages.
- Implemented a generic fulfillment system for various financial operations, ensuring streamlined and efficient processing
- Implemented the Bill Payment service for HP Gas on Google Pay, enabling customers to seamlessly book and pay for gas through the platform

Juspay **Onsite**   2017 - 2018
Software Developer Intern

- Implemented a RESTful crypto service with secure key storage for encryption and signing, ensuring robust data protection and secure transactions.

Education

The Oxford College of Engineering, Bengaluru VTU

Bachelor's of Engineering, Compute Science

The Oxford College of Engineering, Bengaluru VTU

2013 - 2017

Bachelor's of Engineering, Compute Science

Skills

Tools

- Git
- Render
- Heroku
- Docker

- MacOS
- Kubernetes
- Supabase
- Amazon Web Services

- TailwindCSS
- VS Code
- Google Cloud
- Neovim
- Digital Ocean
- Elasticsearch

- GNU Bash
- ZSH
- Linux
- Netlify
- FlyIO

Programming Language

- Purescript
- JavaScript

- Haskell
- TypeScript

Framework And Runtime

- NestJS
- NextJs
- Express

- NodeJS
- Bun

Databases

- Redis
- PostgreSQL
- MongoDB

- MySQL
- CouchDB

Projects

f3v3r.in

Cybersecurity blog

hexo-twitter-auto-publish

A Hexo bot to auto tweets on Twitter for the blogs published via Hexo

urlshortner

A URL Shorter service

fly_db_backup

A tool to backup and restore Postgres database hosted on fly.io to cloudflare R2

Discord Bot

A role management Discord Bot

Certifications

Google Cybersecurity Specialization

Google

Tools of the Trade: Linux and SQL

Google

Understanding CouchDB 3: Learn Basic & Advanced NoSQL Skills

Udemy

Bash Scripting and Shell Programming (Linux Command Line)

Udemy

Practical Ethical Hacking -The Complete Course

Udemy