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   2013 - 2017
Bachelor's of Engineering, Compute Science

Skills

Programming Language

- Haskell
- Purescript
- TypeScript
- JavaScript

Databases

- CouchDB
- PostgreSQL
- Redis
- MySQL
- MongoDB

Framework And Runtime

- NodeJS
- Express
- Bun
- NextJs
- NestJS

Tools

- ZSH
- Kubernetes
- Netlify
- Git
- Google Cloud
- Linux
- Supabase
- FlyIO
- Docker
- Elasticsearch
- MacOS
- Amazon Web Services
- Digital Ocean
- Heroku
- GNU Bash
- Neovim
- Render
- VS Code
- TailwindCSS

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