

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

Certifications

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

Cutshort Certified NodeJS (Node.js) - Basic

Cutshort

Tools of the Trade: Linux and SQL

Google

Bash Scripting and Shell Programming (Linux Command Line)

Udemy

Google

Cybersecurity Specialization

Google

Understanding CouchDB 3: Learn Basic & Advanced NoSQL Skills

Udemy

Practical Ethical Hacking -The Complete Course

Udemy