Shubham Kumar

Senior Software Engineer | CTF Player | Hacker

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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

- Proficiency in designing and optimizing intricate systems.
- Augmented offline Payments Applications with online verification capabilities in the presence of internet connectivity.
- Noteworthy increase in Captive portal launch rates, from 50% to over 75%.
- Developed a versatile Remote Sync Service for content synchronization.
- Executed comprehensive refactoring of ADS-B Services for seamless event communication.
- Pivotal role in enhancing email accessibility via satellite.
- Implementation of restrictions to text-only formats for improved email accessibility.

Juspay Onsite   2018 - 2021
Software Developer

- Core Member of the team, 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
- Enabling seamless credit card transactions
- Generic fulfillment for various financial operations
- Implemented BillPayment Service for HPGas on Google Pay.

Juspay Onsite   2017 - 2018
Software Developer Intern

- Implemented a RESTful crypto service with secure key storage for encryption and signing

Education

The Oxford College of Engineering, Bengaluru VTU   2013 - 2017

Bachelor's of Engineering, Compute Science

Skills

Programming Language

- TypeScript
- Purescript
- JavaScript
- Haskell

Databases

- MongoDB
- MySQL
- Redis
- CouchDB
- PostgreSQL

Framework And Runtime

- NextJs
- NestJS
- Bun
- Express
- NodeJS

Tools

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

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

Google Cybersecurity Professional Certifications

Understanding CouchDB 3

Understanding CouchDB 3: Learn Basic & Advanced NoSQL Skills

Bash Scripting

Bash Scripting and Shell Programming (Linux Command Line)