

# Shubham Kumar

Senior Software Engineer  
🌐 Bengaluru, India, IST

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## About

Seasoned software engineer with 7 years of experience in the end-to-end development cycle. Demonstrated success in optimizing intricate systems, overhauling payment applications, and elevating user experiences through inventive solutions.

## Work Experience

7+ Years

### AirFi Remote

2025 - Present

Associate Lead Engineer – Consultant

- Working on Embedded System Firmware
- Working on Getting LEO Connectivity Working

### AirFi Remote

2021 - 2025

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

## Tools

- Git
- Render
- Heroku
- Docker
- TailwindCSS
- VS Code
- Google Cloud
- Neovim
- Digital Ocean
- Elasticsearch
- MacOS
- Kubernetes
- Supabase
- Amazon Web Services
- 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

Cutshort  
Certified  
NodeJS  
(Node.js) -  
Basic  
Cutshort

Tools of  
the Trade:  
Linux and  
SQL  
Google

Practical  
Ethical  
Hacking -  
The  
Complete  
Course  
Udemy

Cutshort  
Certified  
Algorithms  
- Basic  
Cutshort

Understandin  
CouchDB 3:  
Learn Basic &  
Advanced  
NoSQL Skills  
Udemy

Google  
Cybersecurity  
Specialization  
Google

Bash  
Scripting and  
Shell  
Programming  
(Linux  
Command  
Line)  
Udemy