

## **[Intern] FP-Engineer for Backend**

Internship Duration : 6 Months

### **About Juspay:**

Juspay's vision is to enable the billion people in India with secure 1-click payments on mobile. Online payment is a BIG infrastructure problem with high demands on scale, security and reliability; the capability to power India's entire internet commerce traffic is what we are building.

We process over 7.5Mn+ transactions a day, through our presence in top apps like Flipkart, Amazon, BookMyShow, RedBus, MakeMyTrip, Myntra, Swiggy, Airtel, Vodafone, Yatra, etc. Having crossed more than a billion transactions in the last year, with more than 200Mn+ SDK installs, we are growing at the rate of all apps put together!

What drives us? We take bold moves in technology innovation and that has kept us in a unique position over the years. We've built a mobile micro app platform which we call Presto - that enables us to build end to end native payments UI experiences inside other top apps. We have also made deep investments in pure functional programming techniques (PureScript/Haskell) which are improving our productivity by 10x.

Why FP? Search the web for "why functional programming matters" and you will find the world moving towards Pure FP techniques.

(see <https://vimalkumar.gitbooks.io/learning-haskell/content/>, <https://www.youtube.com/watch?v=6XAc5nCm7oc>)

Oh, did we mention that BHIM was developed by us and built using Presto! It is the UPI app that was launched by the Prime Minister of India!

### **About the Role:**

In this role you will,

- Learn how to build APIs using concise equation like code using PureScript and Presto Backend framework.
- Build and maintain large scale, reliable distributed systems using Kubernetes, NodeJS, Cassandra, AWS, GCP etc.
- Collaborate with product managers and downstream API providers like banks and other payment gateways, with UX teams... understand the big picture and influence the product direction.
- Payments has too much diversity.. But the concepts have a lot similarity underneath. Your job will be geared towards constantly looking for common hidden abstractions and create reusable code across various payment methods.

### **Apply if you are:**

- Passionate about programming and especially, FP interests you.
- A seeker of depth and can see work as a means to achieve it.
- Someone who can stick to a project for long stretches of time either to solve a hard problem or to achieve a high bar of perfection (marathoner)
- An ambitious and constant learner who takes hard challenges to up-skill yourself.

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