# Vipul Patil

Software Engineer

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## Proficiencies

| Golang | ★★★★☆ |
| React | ★★★⯨☆ |
| Ruby on Rails | ★★★⯨☆ |
| NodeJS | ★★★☆☆ |
| Docker | ★★★☆☆ |

## Patents

Systems and methods for blockchain transaction management.
Patent no. 11676143

## Side Projects

https://www.prospect.fit

https://www.joblead.io

# Objective

As a seasoned Software Engineer with 15+ years of experience in architecting complex distributed solutions, I thrive on tackling challenging projects and fostering innovation in large-scale systems. My commitment to ongoing learning keeps me at the forefront of technology trends, ensuring I deliver cutting-edge solutions. I'm eager to contribute my expertise in designing and maintaining large-scale systems to an established, growth-oriented company.

## Core expertise

Golang, Ruby on Rails, React, Docker, Distributed systems

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# Experience

### *Coinbase*
Senior Software Engineer
San Francisco / Bangalore

**August 2018 - January 2023**
(4 years 6 months)

**Responsibilities**
- Lead backend developer for Coinbase Commerce, a distributed system consisting of blockchain processing services, merchant account management services and crypto transfer services.
- Design and execute the technical architecture for new features on Coinbase Commerce.
- Ensuring continued operation of Coinbase Commerce hosted on AWS using Docker containers maintaining an SLA of 99.99%.
- Help scale the team by establishing efficient onboarding processes from 5 engineers to 15 engineers.

**Highlights**
- Joint patent holder of a Blockchain transaction management system.
- Lead technical execution of multi quarter projects involving cross functional dependencies.
- Became an expert in Bitcoin low level implementation, Ethereum blockchain and smart contract execution.

**Notable Projects**
*Push 2FA*
- I lead this project which enabled second factor authentication for ~500k users via Push notifications.
- It increased security for our customers and improved their user experience by bringing the average sign-in time from 18 seconds to 8 seconds.

*Add support for ERC20 currencies*
- This project enabled ERC20 currencies support into Coinbase Commerce increasing customer base by 3% per ERC20 currency.
- I refactored the codebase to enable support for multiple currencies on a single blockchain namely Ethereum.
- This paved the path to enabling more currencies quickly on the platform thus widening its target customer base and also became a foundational block in the SingleETH project.

*SingleETH*
- This project lowered our customer fees on Ethereum network by 43%.
- Prior to this, the original design resulted in the customer having to pay unreasonably high fees to withdraw their ETH (and ETH based currency) funds.
- This project completely revamped address generation and ensured customer's funds can be withdrawn easily with lower fees.
- This project was also the first instance of a Coinbase team deploying smart contracts on the blockchain.

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# Vipul Patil

## Personal website

https://vipulvpatil.github.io/me/

## Interests

**Football / Arsenal**

**Improv / sketch comedy**

**Video games / books**

## Values

**Clear communication**

**Positive energy**

**Continuous learning**

# Experience (continued)

### Originate Inc.
Senior Software Engineer

San Francisco

**December 2013 - August 2018**
(4 years 9 months)

**Responsibilities**
- Core developer on various Backend and Full stack projects.
- Assisted in modularization of common iOS frameworks.
- Assisted in scoping and planning of Mobile and Web projects.

**Highlights**
- Lead the engineering team in a 2-day hackathon-style workshop for Werk to create their 1.0 Website.
- Wrote the most visited post on the company blog, titled *Deeplinking in iOS*.
- Was an integral part of the 4 people dev team on a Dow Jones Project.
- Successfully transitioned from an iOS developer to a Backend Engineer.
- Lead the company efforts in adopting Swift.

**Notable Projects**
*Dow Jones*
- App for getting customized news on various stock tickers.

*TicketMaster*
- The iOS partner app for specific NBA teams.

*Rise*
- An iOS app for personalized nutrition coaching.

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### Self employed
App Developer

Mumbai

**June 2012 - November 2013**
(1 years 6 months)

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### Kreeda Games
Game Programmer

Mumbai

**June 2010 - May 2012**
(2 years)

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### Animedia Interactive
Game Programmer

Mumbai

**October 2008 - May 2010**
(1 years 8 months)

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# Education

### B.E. Computer Engineering
*Ramrao Adik Institute of Technology*

**2004 - 2008**

### H.S.C. Science
*Ramnivas Ruia Junior College*

**2002 - 2004**

### S.S.C.
*St. John The Baptist High School*

**1992 - 2002**

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