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# Gurpreet Singh

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## Work Experience

**Principal Software Engineer**                     **JobGet**                                    **Jun 2022–Present**
Consumer and Marketplace teams                 Vancouver, Canada

- Joined as a core engineering team member, working with a versatile team that grew from 4 to 22 people, reaching over 80 million job seekers in the US.
- Directly responsible individual for the rewrite of core job discovery and search functionality for both mobile platforms. This led to a 110% increase in average revenue per user while increasing the user base by 20%.
- Led development of numerous features, including social feeds, user connections and workplace reviews, decreasing spend on user acquisition from over $80k to $27k per month while improving user retention.
- Worked on modernisation of the existing codebase with focus on introduction and effective usage of Kotlin programming language, along with adoption of testing as first class citizen of the codebase. This was supplemented with the introduction code quality guards and Mobius framework to improve system predictability and debuggability along with team iteration speed and overall happiness.
- Successfully reduced the user-perceived crash rate from 3.47% to 0.12%, ANR rate from 1.3% to 0.08% and the download size from 58.7 to 30 MB while increasing the default Play Store rating from 4.179 to 4.532 and App Store rating from 4.4 to 4.6.

**Principal Product Engineer**                     **Gojek**                                    **July 2021 – June 2022**
Driver Earnings & Experience team             Bangalore & New Delhi, India

- Led the engineering efforts for the product's international expansion in Vietnam and Thailand. This involved on-boarding and overseeing team members, creating a roadmap by collaborating with multiple external teams for proper execution of plans while adhering to the business timelines.
- Led my team through the redesign and development of the driver application to improve user experience. The outcome was a 7% increase on average in monthly earnings of our partners, 3.2% higher order acceptance rates and an 8-point increase in customer satisfaction score.
- Successfully reduced the application's user-perceived crash rate from 8.3% to 0.9%, ANR rate from 3.9% to 0.7%. This also impacted the Play Store ratings positively, increasing it by 0.3 points to 4.4 and impacting our key goals.
- Worked on further optimisation of Gojek's chat platform and integration with the driver app towards the end of my tenure, migrating away from platform-implementation to relying on SDK abilities.

**Lead Product Engineer**                     **Gojek**                                    **June 2019 – July 2021**
Driver Earnings & Experience team             Bangalore, India

- Joined the Driver Platform's core team with focus on improving the driver partners' experience. Worked with a cross-platform engineering team growing from 8 to 15 in size, regularly collaborating with consumer platforms and matchmaking teams to achieve our goals.
- Led migration of the existing chat functionality to in-house solution, reducing the annual costs from ~$2M to <250k.
- Worked extensively on improving location and navigation accuracy for both driver partners and consumers by collaborating with external organizations and rewriting or refactoring core components to reduce error rates from 12.35% to 1.96%.
- Led transition of testing strategy primarily from interaction-based to state-based helping developers write more maintainable, extensible and less fragile software.
- Advocated for the need of better developmental practices in the platform to improve codebase health and optimized developers' workflow by introducing new tooling and processes. This was executed with a local-first mindset to reduce workload on our CI/CD infrastructure, helping reduce the monthly costs by 30%.

| **Senior Software Engineer** | **Kite** | **Oct 2017 – June 2019** |
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| | New Delhi, India | |

- Part of the mobile engineering team, building clients for both mobile applications from scratch by working closely with the product, quality assurance and backend teams.
- Played a key role in launching the MVP in under 4 months, which was crucial for business sustenance.
- Developed an offline-first application using functional and reactive programming paradigms to achieve unidirectional data flow, while test-driving solutions for correctness and maintainability.

## Education

- **B.Tech. Computer Science,** Guru Gobind Singh Indraprastha University, New Delhi. **2013–2017**

## Technologies and Languages

- Languages: Kotlin, Java, Go
- Technologies: Git, JUnit, Jetpack Compose, Kotlin Multiplatform
- Methodologies: Unidirectional data flow, Functional and Reactive programming, Test driven development, Extreme Programming, CI/CD

## Other Sections

- **Entrepreneurial experience** - Ran a university-wide students forum and notes sharing website during my bachelors.
- **Volunteer work** - Regular volunteer with Guru Nanak Food Kitchen, distributing food and essential items to the underprivileged.
- **Hackathons** - Took part in numerous hackathons throughout bachelors as well as during early stages of my career, winning several competitions with AngelHack Jaipur being the most notable.

## Interests

- Traveling and exploring nature
- Passionate about Indian classical music
- Formula1 enthusiast