

Varun Thakur

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EDUCATION

UNIVERSITY OF DELHI

MSC IN COMPUTER SCIENCE
2017 | Delhi, IND

UNIVERSITY OF DELHI

BSc (HONS.) IN COMPUTER SCIENCE
2015 | Delhi, IND

LINKS

StackOverflow:// 001vrn
GitHub:// 001vrn
Medium:// 001vrn
LinkedIn:// 001vrn
Twitter:// @001vrn

COURSEWORK

GRADUATE

Advanced Operating Systems
Design and Analysis of Algorithms
Machine Learning
Artificial Intelligence
Information Security
Compiler Design
Database applications
Data Mining

UNDERGRADUATE

Design and Analysis of Algorithms
Database Systems
Computer Network
Theory of Computation
Software Engineering
Operating Systems
Computer Graphics
Computer System Architecture

SKILLS

TECHNICAL SKILLS

- Java • Kotlin • Spring (Boot/MVC)
- Scaling • Performance tuning
- Distributed Systems • API design
- AWS • gRPC • System design
- PostgreSQL • MS SQL Server • SQL
- Cassandra • Scylla • DynamoDB
- Redis • Kafka • Avro • Agile(Scrum)
- JMeter • Docker • Wiremock
- GCP • Non-functional testing

SOFT SKILLS

- Communication • Mentor
- Public Speaker • Self-motivation
- Responsible • Problem-solving
- Teamwork • Leadership • Volunteer

WORK EXPERIENCE

DELIVERY HERO | SOFTWARE ENGINEER II

Jan 2022 - Present | Berlin, DEU

- Working on a Tier 1 service with 5K TPS which handles vendors data
- Optimised SQS efficiency results in 98% cost reduction across the company
- Active contributor in Pandora Backend chapter meeting biweekly
- Reduced 500s by 7% in the application by tuning application code/config
- Migrated Tier 1 workloads (2 apps + DB) from GCP to AWS
- Worked on cloud cost-saving initiatives and saved \$230K monthly
- Improved operational excellence by adding runbooks, tweaking alerts
- Participating in on-call and contributing to DH-wide WoR meetings
- Writing and reviewing code in **Java/Kotlin/Golang** using PostgreSQL, Redis
- Mentoring junior/trainee developers with the project ramp-up

EXPEDIA | SOFTWARE DEVELOPMENT ENGINEER III

Jan 2019 - Dec 2022 | Bengaluru, IND

- Building high-performance and low-latency APIs that scale easily for traffic
- Responsible for system design, implementation, testing, monitoring and on-call
- Promoted to **SDE III for meaningful and impact contributions** in Apr 2021
- Worked on ML-driven, temp closures(covid related) customer-facing features
- ScyllaDB migration to save cloud and licensing cost(est. \$2.7M annually)
- Re-architected the legacy systems and migration to the Expedia Group platform
- Promoted to **SDE II for impactful contributions** in Aug 2020
- Improved latency from p95 1.2 sec to 525 ms with peak traffic of 2.5K TPS
- AWS Cloud migration for components(4 apps + 2 DBs)
- Built data pipelines using Spring-kafka, Avro schema
- Joined as an Associate SDE in Jan 2019, later on **promoted to SDE I**
- Backend developer - wrote and reviewed code in **Java/Kotlin** using Spring boot/MVC, AWS, k8s, gRPC, protobubf

QUOVANTIS | FULL-STACK SOFTWARE DEVELOPER

Nov 2017 - Jan 2019 | Noida, IND

- Working on Vatica Health - a US based Healthcare SaaS product
- Design, develop and testing software as per product requirements
- Wrote and reviewed code using C#, .NET framework, Angular
- Mentoring junior/trainee developers with the project ramp-up

ACHIEVEMENTS

- **Spot award - Hero Grant** for impactful contributions - Delivery Hero - 2022
- **Spot award** for exceptional meaningful contributions - Expedia Group - 2020
- Recognized as an **OSS contributor** - Expedia Group, Hotels.com - 2019
- Rewarded T-Shirt(s) for **open-source** contributions - Expedia Group - 2019
- Runner up at Hotels.com Global Hackathon(37 teams across the globe) - 2019
- Got invited to **F8** in San Jose, California, USA - Facebook - 2019
- Won 2 Alexa Echo Dot and a Limited Edition Alexa T-shirt - Amazon - 2018

POSITIONS OF RESPONSIBILITY

- Covid-support warrior, volunteer during covid second wave at Expedia - 2021
- Mentor, mentored students for career development at Fb Dev Circle: Delhi - 2018
- Speaker, gave a talk on Alexa Skill Development at Fb Dev Circle: Delhi, NCR - 2018
- Judge, for Spin-a-Hack, MakeAPP competition in Sankalan - Tech Fest DUCS - 2018