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 | Senior Software Engineer
Jan 2022 - Present | Berlin, DEU
- Leading a team that manages 5K TPS tier 1 business-critical workloads
- Active contributor in Pandora Backend chapter meeting biweekly
- Reviewing architecture and designs for value-adding customer-facing features
- Migrated Tier 1 workloads (2 apps + DB) from GCP to AWS
- Joined as a Mid-level engineer in 2022, later on promoted to **Senior Engineer**
- Worked on cloud cost-saving initiatives and saved $330K monthly
- Improved operational excellence by chaos testing, tweaking runbooks/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 test 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 SanJose, 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