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Sahil Arora

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WORK EXPERIENCE

Senior Member of Technical Staff   **ThoughtSpot**   **June 2024 – Present**
- Team-lead for the Observability team, responsible for planning, building and maintaining the observability stack at ThoughtSpot.
- Onboarded clients including **Apple and JP Morgan Chase** by implementing a critical security feature - Bring Your Own Keys.
- **Reduced mean-time-to-recovery(MTTR) by 3 hours** by enhancing log and metric ingestion while **saving 40% on infrastructure costs**.
- **Onboarding new clients on AWS** by architecting and implementing critical infrastructure components.

Software Development Engineer - 2   **Amazon**   **May 2022 – June 2024**
- Boosted India Payments' resilience, **saving Amazon $1mn during Diwali 2023** by implementing rate limiting on a tier-1 service.
- Improved **visitor conversion by 133bps**, **purchase conversion rate by 374bps** and **reduced page load latency by 43%**, by spearheading the launch of a standalone, effortless payments experience for bill payments and recharges in Amazon India.
- **Reduced feature onboarding time by more than half** by revamping feature management system for Amazon India's MFA stack.
- **Reduced local-development times by 80%+** while also creating developer test environments for a leaner developer experience.

Software Engineer - Cloud Security   **Google**   **March 2021 – May 2022**
- Reduced the time-to-market of new features/enhancements for Google Cloud's BeyondCorp Enterprise products from multiple weeks to within days by developing a fully autonomous test framework to run integration tests on multiple environments.
- Onboarding instructor for 279 and mentor for 2 new hires in the APAC region aimed to help them ramp up on the technology stack.

Technology Associate - SKY   **Goldman Sachs**   **May 2018 – Feb 2021**
- One of the founding members of the most exciting technology team at Goldman Sachs, Bengaluru - Cloud Enablement, with the aim to revamp and greatly enhance the cloud developer experience at the firm, with clients including Marcus and Apple Card.
- Led the initiative to enable 10000+ developers across the firm to leverage cloud-native continuous deployment via Gitlab's CI/CD pipelines and Hashicorp's product suite, foundational for all the engineers at the firm.
- Moved the firm's SDLC stack from on-premise to Amazon Web Services, designing major components of the cloud-native landscape.

Google Summer of Code Developer   **The Linux Foundation**   **May 2017/18 – Aug 2017/18**
- (2018) Performed a complete rewrite of the bannertopdf filter in cupsfilters using QPDF, removed dependencies on Poppler.
- (2018) The work done was released in the October 2018 release of **Ubuntu 18.10 Cosmic Cuttlefish**.
- (2017) Enabled printing to millions of low-cost printers supporting WifiDirect/Mopria standard by converting raster images to PCLm format, which is a strict subset of the PDF format, removing the need of printer driver in linux.
- (2017) The work done has been released first as a new feature in the October 2017 release of **Ubuntu 17.10 Artful Aardvark**.
- (2017) Added support for writing PCLm files to QPDF, making it the first open source software which supports writing PCLm.

EDUCATION

Indian Institute of Technology Mandi   **Himachal Pradesh, India**   **Aug 2014 – Jun 2018**
- **B.Tech in Computer Science and Engineering, CGPA: 7.65**
- **Relevant Coursework:** Algorithm, Data Structures, Operating Systems, Networking, Database Systems, Pattern Recognition, Artificial Intelligence, Data Mining, Probability and Random Processes, Managerial Decision Making.
- **Teaching Assistant** - Advanced DSA, Programming and Data Structures, Operating Systems and Networking, and System Architecture.
- **Programming Club Coordinator of the institute** for the academic year 2016 - 2017.

LANGUAGES AND TECHNOLOGIES

- **Programming Languages:** Java, Python, Golang, C++, C, HTML, CSS, Javascript, TypeScript, SQL, Bash, HCL
- **Databases:** PostgreSQL, Redis, Elasticsearch, DynamoDB, Prometheus, PostGIS
- **Other tools / frameworks:** AWS, GCP, Spring Framework, Kubernetes, Docker, Terraform, Ansible.

ACHIEVEMENTS AND AWARDS

- **Google Summer of Code Mentor:** Mentor for GSoC with **The Linux Foundation** during the years **2019**, **2020** and **2024**.
- Received multiple **Spot Awards and Accolades at Amazon** for contribution to excellent engineering in Amazon Payments.
- **GWarriors:** Led one of Google India's largest volunteer initiatives to combat the 2nd COVID-19 wave in April-May 2021, involving over 300 volunteers. The efforts were **recognized by Google Cloud EngProd's VP of Engineering**. Invited as a speaker at a global internal event on preventing the spread of COVID-19.
- **Organizer - Noogler Orientation:** One of the main organizers for the new hire orientation at Google for 2021 with 400+ new hires.
- **ACM ICPC India Regionals:** Represented IIT Mandi at the ACM ICPC India Regionals in **2015**, **2016** and **2017**, with the best rank being **7 out of 160** nationwide at the Kolkata/Kanpur Regionals, 2017.
- **Goldman Sachs Quantify 2017:** Stood **2nd of 400 teams** from top 25 Indian colleges in the GS-Quantify 2017 challenge.
- **Amazon Code Wizard Challenge 2017:** Stood **4th out of 189 teams among all IITs**.
- Recognition for **exemplary contribution to The Programming Club** on the 9th Foundation Day of IIT Mandi.
- **Kishor Vaigyanik Protsahan Yojana(KVPY) Scholar 2013**