

EXPERIENCE

- **Google** US-MTV
Software Engineer, Site Reliability Engineering Mar '19 - Present
 - **Gemini Platform & Vertex AI:** Making Google Cloud's Large Language Model offerings (Gemini, Veo, Imagen, etc) more reliable. Check out cloud.google.com/vertex-ai
 - * Automated months-long process of turning up **Vertex AI** in new regions.
 - * Led the migration of Vertex AI's ML Model Serving configurations to dedicated hermetic ML-Ops, significantly improving development velocity and release stability
 - * Built a Gemini-powered framework that reduces Mean Time To x (MTTx) during production incidents through AI-assisted troubleshooting and intelligent actuation.
 - **Serverless Platform:** Making Google Cloud's Serverless compute offerings (App Engine, Cloud Functions, Cloud Run) more reliable. Check out cloud.google.com/serverless
 - * Automated months-long process of turning up **Cloud Run** in new regions.
 - * Enabled safe, progressive rollouts of schema and config changes across **560+ Spanner databases**, eliminating the prior failure mode where bad changes affected customers globally for multiple hours.
 - * Built an *actionable-metrics framework* that democratized signal across SRE and partner teams, driving a **50%** reduction in oncall load while the team onboarded **40%** more partner services.
 - * Drove down resource ceilings across all Serverless Bigtables by adopting *Autocap*, materially improving fleet-wide compute efficiency.
 - * Led the **Log4J** code-red response across four Serverless products under incident pressure.
 - * Led **4 interns** to build *Khoj*, a Google-wide automated incident root-causing system that **reduced mean time to response and mitigation from multiple hours to just minutes**.
 - **Monitoring & Alerting:** Making Google Cloud's monitoring and alerting more reliable.
 - * Seamlessly migrated fragmented internal users from 15-year-old + 4-year-old alert visualization tools to the next-gen tool by adopting the Google-wide experiment framework.
 - * Shipped the *Alert2Bug* migration in **1 week** against a multi-month estimate by leaning on existing primitives instead of a bespoke rebuild.
- **Booking.com** NL-AMS
Software Developer Jun '17 - Feb '19
 - **Image Services:** Built a Java web service to serve images on-the-fly throughout **booking.com**. Moved away from the legacy pipeline to reduce storage consumption while implementing an ORM layer for the service to easily fetch images from various data sources. Successfully reduced image generation latency by over **50%**.

ACHIEVEMENTS

- **ICPC 2016:** Team *YeToBadaToingHai* - **9th** out of over 3000 teams in Kharagpur Online; **32nd** out of over 3000 teams in Amritapuri Online.
- **CodeChef:** A **top 20** and numerous top **150** finishes in the monthly Long Challenge.
- **National Talent Search Exam 2009:** Scholarship awarded to top **0.1%** among 1 million students for excellence in scholastic and mental aptitude.

EDUCATION

- **International Institute of Information Technology** IN-HYD
Bachelor of Technology in Computer Science and Engineering Aug 2013 - July 2017
 - **All India Engineering Entrance Exam, 2013:** Secured **AIR 719**, Top **0.05%** among 1.4 million students

SKILLS

- **Languages:** Intermediate: C++, Java, Python, Go, SQL, bash; Basic: Scala, Rust
- **Technologies:** Bazel, Terraform, Kubernetes, Prometheus, BigQuery, ClickHouse, git, Maven, Hadoop, Apache Spark, Graphite, django