

Engineer, Medic, Researcher, Systems Architect

## Experience

- **Principal SRE** Dotdash Meredith, NYC Apr `21 - Present
  - Lead CDN & Security Architect for **People, Investopedia, Allrecipes** Verywell, Spruce, Byrdie, etc. managing infrastructure, and handling **200M+** users per month.
  - Driving the adaptation of **HTTP/3, HTTPS (SVCB Record types) & 0-RTT** towards major sites.
  - Integrated systems to thwart malicious traffic & DDoS attacks. [**≈1+ Billion requests per year.**]
  - Undertook the containerization of SOLR to ensure robust handling of production-level traffic.
  - Architected ES (8.X.X) clusters (along with APM) in EKS with fault tolerance.
  - Revamped Kafka with envoy to ensure seamless connectivity during node IP changes.
  - Reduced AWS costs by migrating workloads using SPOT & Graviton instances to save ~ **\$1.2+ million p.a.**
- **Emergency Medical Technician - NYS [Volunteering]** Aug `22 - Present
  - Certified EMT providing emergency medical assistance and first aid to participants at races and events.
  - Conducted patient assessments and monitored vital signs, administering appropriate care.
  - Worked collaboratively in a team of medical professionals and volunteers to ensure patient safety.
- **SRE II** CB Insights, NYC Sep `19 - Mar `21
  - Achieved **90%** application-level observability on all services with dashboards, metrics, tracing, logging.
  - Attained **100%** service-level visibility on all micro-services via metricbeat + elastic-search.
  - Saved **\$15,000 p.a.** by shutting down unneeded services and infrastructure.
  - Saved **1520 hours p.a.** of work-time for engineers by building an internal serverless tool.
  - Collaborated with frontend team to reduce build time for central service from **60 minutes to 10 minutes.**
  - Spearheaded enhanced visibility for RDS, Aurora and envoy service mesh routing.
  - Implemented distributed tracing across all micro-services to swiftly debug failures.
  - Standardized procedures for the engineering department to attain visibility on their applications.
  - Formalized the incident management and response system with opsgenie.
- **DevOps Engineer, Intern** RubensteinTech, NYC Mar - Aug `19
  - Deployed a new ELK clusters for increasing reliability & search/query response time handling logs from 400 servers from all 3 environments.
  - Devised a centralized cron logging mechanism on servers for better visibility on their executions.
  - Automated generation of nagios alerts for all projects using ansible.
- **Infrastructure, Intern** MeetUp, New York City Jun - Aug `18
  - Learned about improving, monitoring & testing infrastructure.
  - Designed a project to automate alerting of failed pipelines to teams (lambda + pagerduty)

## Education

- A.A.S. Paramedic City University of New York Aug `23
- M.S. CyberSecurity Stevens Institute of Technology Aug `17 - Dec `18
- B.S. Computer Engineering University of Mumbai Aug `12 - May `16

## Achievements

- MIT – Hack Medicine	Nov `18
- Stanford University – Health++	Nov `18
- ICIMS Hackathon – Bell Labs (W)	Oct `18
- HealthTech Hackathon (W)	Oct `18
- John Hopkins University Hackathon	Sep `18
- Social Good Hackathon (W)	Aug `18
- Princeton University Hackathon (W)	Apr `18
- NYU Global Hackathon (W)	Mar `18
- Stony Brook IOT Hackathon (W)	Feb `18
- CTF Hacking at Stony Brook (W)	Feb `18
- Altice USA & Infosys Innovation Hackathon (W)	Nov `17
- Hack NJIT	Nov `17
- Boston University Hackathon	Oct `17

## Open Source

- Codenza	- <a href="#">codenza.app</a> (470k+ Downloads)
- Blogposts	- <a href="#">divyendra.com/blogposts</a>
- Grad Hackathon Projects	- <a href="#">devpost.com/divyendrapatil</a>
- Github	- <a href="#">github.com/divyendrapatil</a>

## Favorite Books

- Crime & Punishment	Fyodor Dostoevsky
- Hell is the Absence of God	Ted Chiang
- Bullet in the Brain	Tobias Wolff
- Red Mars   Blue Mars   Green Mars	Kim Stanley Robinson
- The Case for Mars	Robert Zubrin
- Seveneves	Neal Stephenson

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### Additional Skills:

- Diverse practical skill set IBNLT plumbing & mechanical repairs.
- Investment and financial management expertise IBNLT high-risk options trading.

### Passion:

- Humans Space Exploration & Research.