

Distributed Systems Engineer, EMT, Researcher

Experience

- **SRE** Dotdash Meredith, NYC Apr '21 - Present
 - Leading CDN & Security Architect for **People, Investopedia, Allrecipes, Verywell, Spruce, Byrdie, etc.** managing infrastructure, and handling **200M+** users per month.
 - Working on getting Redis and RDS DB's containerized in QA Env to save **deployment time by 50%**.
 - 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.**
- **EMT - NYS [Volunteering Only]** 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** 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 Intern** RubensteinTech, NYC Mar '19 - 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, NYC Jun '18 - 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. Paramedicine 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

- Triaged a patient in Zero Gravity	May `24
- Certified EMT in NYS	Oct `22
- 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	- codenza.app (470k+ Downloads)
- Blogposts	- divyendra.com/blogposts
- Grad Hackathon Projects	- devpost.com/divyendrapatil
- Github	- github.com/divyendrapatil

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

Other Skills

Plumbing, mechanical repairs, investing, and financial management IBNLT high-risk options trading.