DEEPAK MITTAL

Bangalore, India

Summary

I'm a seasoned full-stack engineer and 2x tech co-founder with 15+ years of experience designing, building, and scaling full-stack systems. I've led architecture and infrastructure efforts, co-founded and scaled platforms to handle high-throughput workloads, and consistently delivered performant, cost-efficient solutions. My core strengths include distributed systems, backend optimization, system security and end-to-end product development across diverse stacks and environments.

Technical Skills

- **Programming Languages:** Typescript, Javascript, Nodejs, PHP, GO, Python, C/C++, Java
- **Frameworks/Platforms:** Reactjs, Vuejs, Svelte, Expressjs, Wordpress, Laravel, Django, NestJS
- **Databases:** MySQL, PostgreSQL, SQLite, Mongodb, Redis, Memcached, ElasticSearch
- **Security:** SQL Injection, CSRF, XSS, RFI-LFI, Pen-testing, Linux hardening, Network security
- **Others:** Docker, Kubernetes, Git, LLMs, Browser Extensions, Distributed system design, Kafka, Linux Administration, Terraform, Ansible, GraphQL, Rest APIs, Agile Methodology

Experience

Pandora's Inbox | *Co-Founder and CTO*   Jan 2024 - Jul 2025

- Architected and launched an email intelligence platform processing 80,000+ emails daily, featuring a Puppeteer based screenshotting microservice and a Chrome automation extension.
- Utilized tech stack consisting of Laravel, Postgres, ElasticSearch, Redis, Typescript, ReactJS, Docker and LLMs to build the platform. Utilized Redis backed job queues to make the platform modular, fault-tolerant and independently scalable.
- Scaled the bare-metal hosted system to handle up to 500,000 emails per day reducing operational costs from $10,000/mo to $1,500/mo.

GoDaddy | *Senior Software Engineer (Contract)*   Jan 2023 - Dec 2023

- Engineered an advanced search engine for Afternic's 22M domain portfolio using NextJS, Express.js, and Postgres.
- Built ETL pipeline to ingest the data using Typescript/Rust/Python; improved its runtime from 3 hours to 30 minutes by utilizing multi-threading, map-reduce, SIMD instructions and alternate regex engine. Implemented zero-downtime data refresh in Postgres using complex schema and index manipulation.

Dandy | *Senior Software Engineer (Contract)*   Jan 2022 - Dec 2022

- Delivered a full-stack integration solution connecting doctor applications with Dandy's core software.
- Scaled the platform to reliably support 10,000+ doctors and clinics.

Tshirtwala Fashion LLP | *Co-Founder & CTO*   Jun 2017 - Dec 2021

- Launched a full-featured e-commerce platform from scratch (ReactJS, Redux, GraphQL, ExpressJS, MongoDB).
- Developed microservices for platform automation, monitoring, and operational support, enhancing system stability.
- Scaled the system to handle 10,000 orders per day using auto-scaling, DB replication and load balancing techniques.

WebXMedia LLC | *CTO*   Dec 2010 - Jun 2017

- Led architecture, development, and infrastructure for 22 websites and webapps; built 30+ custom plugins and microservices to support business operations.
- Migrated to Docker-based VPS infrastructure, cutting hosting costs by 80% and improving uptime from 95% to 99.9%.
- Reduced response times from 2.5s to sub-100ms through full-stack tuning—DB, web servers, app layer, and distributed Redis caching. Improved I/O and network throughput via systemctl and Linux kernel optimization.
- Hardened Linux systems with iptables, fail2ban, and system/kernel tuning to ensure robust web and network security.
- Diagnosed and fixed complex distributed system bugs; contributed fixes to WordPress, PHP, and third-party tools.

Google/KDE Foundation (GSoC 2012) | *Contract Developer*   May 2012 - Aug 2012

- Designed and implemented a file-sharing collaboration feature between OwnCloud (now NextCloud) instances as a Google Summer of Code student, enhancing distributed capabilities.

Independent Consultant | *Full Stack Engineer*   Feb 2009 - Dec 2010

- Delivered PHP and WordPress solutions (bespoke plugins, themes, performance optimization) for diverse SMB clients globally, consistently meeting project and business goals.
- Optimized expenses for clients by migrating them from expensive and slow managed hosting providers, to self managed bare-metal clusters resulting in cost-saving of over 90% and latency improvements from 1.5s to sub-200ms.

Education

BMS College of Engineering | *B.E., Computer Science* (GPA: 8.4)   Bangalore, India 2009 - 2013

Achievements

- **Hackathon Winner** | InMobi, Apigee, Yahoo OpenHack
- **ACM ICPC National Finalist** | ACM ICPC National Finalist in 2012
- **Google Summer of Code 2012** | Got accepted in GSOC (Google summer of code) 2012
- **Speaker** | Linux and open-source on Software Freedom Day 2011, 2012, 2013 @ BSMCE | ReactJS @ Jaaga Programming Talks
- **Student President** | BMS Libre Users Group from 2011-2013