

Vivekanand Dubey

Engineering Manager, Technical Leadership

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- Hands-on technical leader with over 14 years of experience, led solutions from concept to launch.
- Proficient in C, C++ and System Design with a solid foundation in CS. Competent in Java.
- Forged high-performance teams amidst challenging scenarios.
- Agile practitioner, proactive, known for adaptability, quick learning and getting things done.

SKILLS

- **Technical:** C++, C, Java, Perl, BDD, Cucumber, SQL, Kubernetes, eBPF, Linux, AWS, Microservices, Windows, LLD, HLD
- **Leadership:** Team Building, Mentoring, Hiring, Adaptability, Problem Solving, Conflict Resolution, Risk Management.

HIGHLIGHTS

- Devised real-time change detection on Linux using **eBPF**, slashing maintenance efforts by **90%** and reducing kernel panics by **95%**.
- Engineered a groundbreaking provisioning solution that transformed the deployment of **~60K network devices**, cut the costs by **60%** and reduced the time by **30%**.
- Built high-performance cohesive teams from ground up, amidst attrition rate soaring **>20%**, my teams had a remarkable **7% attrition**.
- Steered pivotal adoption of Agile, ensuring optimum velocity and predictable deliveries.
- Contributed to patented technologies at Hughes, enhancing broadband performance for over **1.4 million subscribers**.

EXPERIENCE

Incedo, Tripwire Cybersecurity Solutions

Aug 2018 - Present

Technical Manager

- Driving enterprise-scale change detection and compliance solutions, utilized by **over 7000 companies** worldwide, including **half of the Fortune 500** firms. Overseeing cross-functional teams of **>15 members**.
- Pioneered a new way of real-time change detection on Linux using **eBPF**, reducing the time required to qualify multiple vendors and kernel versions by **90%**, and kernel panics by **95%**.
- Developed a configuration-driven, versatile database monitoring solution for change detection on PostgreSQL, SQL Server, and Oracle, achieving **15x boost** in performance.
- Crafted solutions to monitor Active Directory and audit log scrutiny.
- Drove hiring efforts, mentored and motivated team members, conducted performance appraisals.
- Implemented Agile practices, resulting in **20%** reduction in project timelines and more predictable deliveries.
- Coordinated closely with product management and customer support, ensured consistent delivery timelines.

Hughes Systique

Oct 2011 - Aug 2018

Principal Engineer

- Spearheaded a 6-member team, engaged in full-stack design and development of network management system and system software tailored for high availability, secure, low-latency communications through cutting-edge network appliances.
- Conceptualized and developed Zero Touch Provisioning, a breakthrough solution for deployment of network elements, resulting in **60% reduction** in costs and **30% reduction** in deployment time. Approx **~60K network devices** have been deployed using ZTP.
- Crafted a locally hosted, intuitive Web portal for real-time device monitoring and configuration of network appliances.

Persistent Systems, Motorola Design Suite

Jul 2008 - Sep 2010

Software Engineer

- Contributed to Motorola's WLAN design suite. Designed and developed cross-platform dynamic library for logging WLAN data, using C++, JNI, Java, and SWIG.
- Developed 'Application Specific Planning,' a specialized feature to expedite network planning based on common use-cases.

EDUCATION

National Institute of Technology, Raipur

May 2008

B. Tech. Information Technology