

DEVAL MATHUR

Montreal, QC H9B 2C8
514 516 8592 deval.mathur@proton.me
WWW: www.linkedin.com/in/devalmathur

PROFESSIONAL SUMMARY

Elite Senior Software Developer with 17+ years of full-stack development expertise and proven leadership in enterprise-scale systems. **Delivered \$25M+ in business value** through high-performance applications serving 10M+ users. Expert in Java/J2EE, Python, and cloud-native development with **specialized skills in CI/CD optimization (60% performance gains)** and **security-first development practices**. Proven track record of leading cross-functional teams and mentoring developers while delivering mission-critical solutions.

CORE TECHNICAL EXPERTISE

Programming & Frameworks: Java/J2EE, Python, Spring Boot, Microservices, REST APIs, JavaScript

Database & Caching: MySQL, PostgreSQL, MongoDB, Redis, Application Caching (100 TPS optimization)

Migration & Integration: Ubuntu to SUSE Linux, PHP to Java/J2EE, Legacy System Modernization

Cloud & DevOps: AWS, Azure, GCP, Docker, Kubernetes, Jenkins, Spinnaker, Helm, YAML

Security & Monitoring: OWASP ZAP, KubeBench, Trivy, CIS-CAT, KubeAudit, Grafana, Prometheus

Performance Engineering: Pipeline Optimization, Parallel Processing, Load Testing, Traffic Modeling

PROFESSIONAL EXPERIENCE

SENIOR ARCHITECT | 04/2024 to Current

Ericsson Canada - Mississauga, ON

- **Architected enterprise CI/CD pipelines** for microservices deployment across staging and production environments
- **Achieved 60% performance improvement** through horizontal scaling, parallel workflows, and intelligent test suite division
- **Implemented comprehensive security automation** integrating OWASP ZAP, KubeBench, Trivy, CIS-CAT, and KubeAudit scanning
- **Engineered debug processes** eliminating full pipeline re-runs, saving 60% troubleshooting time
- **Optimized package transfer speeds by 50%** using parallel file transfer algorithms and caching mechanisms
- **Led technical mentorship** for 15+ developers, designers, and testers on modern development practices
- **Developed Python automation scripts** for Spinnaker microservices migration from Ubuntu to SUSE Linux

SENIOR ARCHITECT | 06/2021 to 04/2024

Ericsson Canada - Montreal, QC

- **Spearheaded cloud-native transformation** migrating legacy systems to AWS and Azure service models
- **Integrated AI-powered RCA tool** with Jenkins builds, reducing debugging time by 70% through automated analysis
- **Engineered custom automation scripts** improving system efficiency and reducing manual intervention by 80%
- **Built monitoring infrastructure** using Grafana Dashboard and Prometheus for real-time performance tracking
- **Collaborated in Agile/Scrum environment** delivering continuous value through iterative development cycles
- **Designed containerized solutions** using Docker and Kubernetes for scalable microservices architecture

SENIOR IOT LEAD | 05/2015 to 06/2021

Ericsson Canada - Montreal, QC

- **Architected secure IoT platform for AT&T Connected Car** serving millions of vehicles with 99.9% uptime
- **Developed IoT Smart Temperature solution** using AWS Lambda with real-time sensor data processing
- **Built performance testing framework** with traffic modeling algorithms, delivering \$500K cost savings
- **Created Smart Parking POC** demonstrating low-power device connectivity, securing \$10M project
- **Optimized platform performance** serving 4M+ concurrent users with sub-second response times
- **Delivered technical workshops** on IoT custom solutions, increasing customer satisfaction by 25%

SOLUTION ARCHITECT | 10/2010 to 05/2015

Ericsson India

- **Delivered \$15M+ in annual revenue** through strategic technical consulting and solution development
- **Architected \$7M self-service portal** for Tunisiana handling 6M active subscribers with 99.95% availability
- **Led development team of 10** for mobile service delivery platform hosting 20+ operators simultaneously
- **Migrated government portal** from PHP to high-availability Java/J2EE, improving performance by 40%
- **Implemented efficient caching system** optimizing portal throughput to 100 TPS with zero downtime
- **Increased ARPU by 20%** through platform optimization and enhanced digital service delivery

SENIOR TECHNICAL LEAD | 01/2010 to 10/2010

HCL Technologies

- **Led enterprise application development** using Java/J2EE framework for Fortune 500 clients
- **Mentored junior developers** on coding standards, design patterns, and performance optimization
- **Implemented scalable solutions** meeting strict performance and reliability requirements

STANDOUT ACHIEVEMENTS

\$25M+ Business Impact: Combined revenue generation and cost savings through

technical excellence

10M+ Users Served: Designed and maintained high-availability systems with 99.9% uptime

60% Performance Gains: Optimized CI/CD pipelines through innovative automation and parallel processing

Security Leadership: Implemented comprehensive security scanning across enterprise development lifecycle

Team Leadership: Mentored 50+ developers throughout career, fostering technical excellence

Migration Expert: Successfully migrated multiple legacy systems to modern, cloud-native architectures

EDUCATION & EXECUTIVE DEVELOPMENT

Harvard Business School Online | Disruptive Strategy

Certificate Course, 2023

Ericsson | Leaders Core Curriculum

Executive Leadership Program, 2023

Birla Institute of Technology And Science - India | Software Systems

Master of Science, 2014

Dr. A.P.J. Abdul Kalam Technical University - India | Computer Science

Bachelor in Technology, 2006

ELITE CERTIFICATIONS

- **Certified SAFe 6 DevOps Practitioner** (2024) - Advanced scaled agile framework
- **AWS Certified Solution Architect Associate** (2023) - Cloud architecture expertise
- **Ericsson Experienced Certification in AWS Cloud** (2023) - Enterprise cloud solutions
- **Ericsson Experienced Certification in Azure Cloud** (2023) - Multi-cloud proficiency
- **Azure AZ-900 Azure Fundamentals** (2023) - Microsoft cloud platform
- **Certified SAFe 4 Scrum Master** (2022) - Agile methodology leadership
- **Oracle Certified Java Developer** (2021) - Advanced Java programming
- **Container and Kubernetes Networking Deep Dive** - ComponentSoft (2023)

TECHNICAL LEADERSHIP & INNOVATION

- **Security Innovation:** Pioneered automated security scanning integration in CI/CD pipelines
- **Performance Engineering:** Developed parallel processing algorithms improving system throughput by 50%
- **Mentorship Excellence:** Trained 15+ developers annually on modern development practices
- **Cross-Platform Migration:** Led multiple successful migrations between operating systems and frameworks
- **Real-Time Systems:** Built IoT solutions processing millions of sensor data points with sub-second latency