

Karandeep Bhardwaj

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SUMMARY

Dynamic Senior Full-Stack Developer with **7+ years** of experience architecting and developing scalable, high-performance applications in Agile environments. Expert in **microservices**, **AWS cloud** solutions (Lambda, Lex, DynamoDB), and **full-stack** technologies (Java, Python, Node.js, React). Known for quickly ramping up and excelling, with a strong passion for mentoring junior developers.

TECHNICAL SKILLS

Languages: Ruby on Rails (Basics), Java, Python, Golang, TypeScript, Javascript, SQL (Postgres)

Frameworks: React, Vue, Node.js, Next.js, Express, Tailwind, Kafka, GraphQL

Cloud: AWS (Lambda, S3, SNS, SQS, Step-functions, API Gateway, DynamoDB)

Tools: Linux, Docker, Kubernetes, Microservices, Git, Jenkins, Openshift

EXPERIENCE

Lead Software Engineer

Nov 2021 – Present

SunLife Financial

- Led the modernization of customer-facing systems for the claims processing 600k+ daily requests, using microservice and serverless architecture. Actively involved in **AWS cost and performance** optimizations.
- Lead the technical design, code review, and development of the full-stack, using **React** and **Java, Node**, updating to microservice architecture, achieving 100% availability on 1M+ traffic, 30% lower latency KPIs.
- Directed the architecture for using Interac to improve client experience and cut contact center costs by 45%.
- Developed **REST** APIs, reducing API calls by 40% and enhancing data fetching efficiency for 2M+ daily requests
- Modernized legacy deployment system to **blue/green**, reducing costs by 110%.
- Utilized **Hazelcast** caching to optimize microservices, cutting database query latency by 50%.
- Delivered knowledge sharing sessions on global state management in **Redux**, **Blue Green** Deployment Methodology and optimizing **Lambdas**.
- Mentored **5+** junior developers in development best practices and secure coding, and onboarded new team members.

Full Stack Engineer

Jan 2021 – Nov 2021

Tecsys Inc.

- Refactored large-scale monolithic system into Cloud microservices. The event-based architecture improved scalability to handle 50x concurrent requests and increased performance by 85%.
- Led front-end initiatives, using **Storybook** and atomic design principles for a component-based approach, boosting development speeds by 25%, while improving developer experience.
- Spearheaded load testing enhancements by optimizing scripts and traffic patterns using **k6** to ensure system resilience during high-traffic sales events.
- Introduced secure label generation with carriers by enabling **OAuth**, managing consistent token updates.
- Applied Test-Driven Development (**TDD**) and maintained robust unit/integration test coverage using **Jest**
- Developed the end-to-end development of a scalable customs compliance microservice using AWS SAM, Lambda, SQS, and S3; integrated with Farrow via SFTP, saving the company \$900K annually.

Full Stack Engineer

Jan 2020 – Jan 2021

BIDGALA

- Developed an e-commerce social platform, creating scalable full-stack web applications and RESTful APIs using Python (Django) for backend and React for frontend, deployed on AWS, while guiding 3 junior developers.
- Developed and optimized a payment processing system for an e-commerce social platform, improving transaction throughput by 30% and ensuring secure, scalable operations using AWS services.

Software Developer

Jan 2017 – Aug 2018

Unisys Pvt. Ltd.

- Collaborated with cross-functional teams in the development of enterprise applications
- Provided project support, and acquired development best practices and tools

EDUCATION

Concordia University

Montreal, Canada

Master of Computer Science

Jan 2019 – Dec 2021

Chandigarh Engineering College

Chandigarh, India

Bachelor of Computer Science

Aug 2013 – June 2017

CERTIFICATION

AWS Solutions Architect - Associate

Nov 2023