

Karanjot Singh

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Summary

Experienced Senior Software Engineer with 7 years of expertise in architecting and building scalable, secure solutions for consumer internet, education, and pharmacy sectors. Proven track record in leading cross-functional teams, driving business growth, and optimizing customer experiences through innovative, user-centric design. Skilled in leveraging cutting-edge technologies to deliver high-quality products that exceed industry standards and drive competitive advantage.

Experience

Pocketpills

Jan 2022 – Present

Senior Software Engineer

Surrey, Canada

- Elevated system architecture with a cutting-edge API gateway, reinforced by state-of-the-art security protocols. Delivered unparalleled performance enhancements, eradicated downtime, and achieved a substantial 0.33% increase in annual revenue savings.
- Worked along with product manager and Led a team to enhance user experience for E-commerce web application, fostering cross-departmental collaboration for swift issue resolution, resulting in increased user satisfaction and streamlined operational efficiency. Additionally, successfully transformed the customer dashboard, achieving a notable decrease in bugs and a turnaround time reduction of over 10X through the optimization of SQL queries, creation of efficient wrapper APIs, and parallelization of API calls to different services for rebuilding the dashboard.
- Pioneered the transition from a monolithic to a modular monolith architecture, migrated the system from the Play Framework to the Spring Framework, and implemented best practices in the development environment. These efforts resulted in a remarkable 30% increase in team efficiency.
- Contributed to the adoption of agile methodologies, utilizing Jira and Confluence, improving team productivity by 15% through iterative development cycles.
- Java, Spring Boot, Play framework, AWS, EC2, S3, Secret Manager, CloudWatch, Elastic cache, RabbitMq, Camunda, RDS, MySql, Docker, Jenkins, Linux.

PowerSchool India Pvt Ltd

July 2020 – Jan 2022

Software Engineer II

Bengaluru, India

- Played a key role in the core team of the Learning Management System, contributing to the development of pivotal features that significantly improved productivity for both students and teachers.
- Efficiently facilitated seamless data imports/exports for B2B clients, enhancing integration of third-party tools by conducting comprehensive research, implementing automation techniques, Batch Processing, ETL pipelines, and fostering collaboration within the integration team.
- Instrumental in expanding service functionalities through the development and integration of innovative plugins, made available on our internal app market for schools, while also spearheading the adoption of best engineering practices in a distributed development environment. Additionally, provided hands-on mentoring and guidance to onboard a team of 3 engineers, enhancing their skills and productivity.
- Java, PHP, Python, Spring Boot, Node.js, Serverless, Laravel, Drupal, AWS, EC2, S3, Amazon Lambda's, SQS, SNS, Kinesis, Redis, Redshift, Step Functions, SWF, RDS, MySql, MongoDB, DynamoDb, Docker, Kubernetes, Bamboo, DataDog, Sumo Logics, Linux, JMeter.

LTIMindtree LTD

July 2017 – July 2020

Senior Engineer

Bengaluru, India

- Implemented a user-friendly tool enabling drag-and-drop integration of AWS services, CI/CD tools, and other DevOps tools to customize pipelines, enhancing development efficiency and project delivery. This comprehensive solution provides a single view to build and visualize the entire infrastructure, ultimately boosting revenue and client satisfaction.
- Implemented an automation tool that efficiently converts Java Swing user interfaces into web applications, resulting in significant time savings during the migration of large projects.
- Developed a user-friendly framework and tool allowing manual testing team to easily create Selenium tests via Excel files, providing a smoother environment for automation test creation. Successfully deployed this tool across various projects, enhancing efficiency in test automation processes.
- Java, Spring Boot, Kafka, Cassandra, Docker, Jenkins, Linux.

Education

Chandigarh University

Gharuan, Punjab

Bachelor of Science in Computer Science (CGPA: 8.1 / 10.00)

- **Relevant Coursework:** Data Structures and Algorithms (C++/Java), Web Development (HTML, CSS, JAVASCRIPT), Operating Systems, Networking, RDBMS, NO/SQL, SDLC, Mobile Development(Android)

Technical Skills

Languages: Java, PHP, Python, Javascript

Frameworks/Technologies: Spring Boot, Play, Junit, Angular, Mockito, Hibernate, Ebean, Kafka, RabbitMq, GIT, AWS, Kong, CloudFront, Maven

Databases: MySQL, RDS, PostgreSQL, MongoDB, Cassandra, Redis, DynamoDB, Aurora

DevOps: Jenkins, Bamboo, Docker, Putty, Kubernetes, HELM, Terraform

Concepts: Encryption, Decryption, TLS, HTTPS, Artificial Intelligence, Machine Learning, Neural Networks, Agile Methodology, Cloud Computing, Sharding, Consistent Hashing, Microservices, protobuf, Avro, Api Gateway, Design Patterns

Achievements

- Awarded outstanding performer twice in consecutive years.
- Secured position in top 20 for Techie of the Year Competition, for implementing the solution for java swing to web app transfer automation.
- Secured position in top 10 in 2020 hackathon in Powerschool for implementing a solution/feature to help students to maintain their list of tasks.