

# Devendra Wangikar

(+91) 909 654 4944

[devendrawangikar@outlook.com](mailto:devendrawangikar@outlook.com)

<https://www.linkedin.com/in/devendrawangikar>

A Staff Engineer with 13 years of experience in software development, specializing in Java, system design, microservices, Spring Boot, Spring Cloud, and API-first development. Specializes in designing and implementing scalable internal and external APIs. Balances big-picture thinking and design responsibilities with hands-on coding.

## Work Experience

<b>Lead Software Engineer</b>	<b>Mastercard</b>	<b>Feb 2019 - Present</b>
Product and Engineering - SRC and Developer Platform team		
<ol style="list-style-type: none"><li>1. Designed, and led the development team of 3 for next-generation APIs, enabled external customers to use the platform via APIs on their frontend/mobile apps. This initiative increased API project creation by 5-7 times, as B2B customers started creating projects on behalf of their customers via Platform APIs.</li><li>2. Addressed data replication and localization challenges by conducting a spike for Kafka Message replication and leading the implementation, benefiting numerous services with on-soil deployment demands in India, China, and European countries.</li><li>3. Pioneered the design and implementation of MTLS-based authentication and authorization on the Mastercard developer portal, significantly enhancing platform security and instilling greater integration confidence among major customers such as JPMC, Google, and Citi.</li><li>4. Led the migration of all platform services from JDK 8 to JDK 17. Coordinated with the Operations team, CI/CD team, and other dependent teams to ensure a smooth and efficient upgrade process.</li><li>5. Designed, implemented and lead development team responsible for services sending millions of transactions and card update notifications per day to SRC Participants like Banks, Issuers</li><li>6. Developed a service which provides site-reliability and automatic failover capabilities to Mastercard SRC system which has reduced failover incidents by 60%</li><li>7. Implemented a distributed service responsible for providing QR based checkout and tokenization capabilities</li></ol>		
<b>Senior Software Engineer</b>	<b>Mastercard</b>	<b>Jul 2016 – Jan 2019</b>
Regional Solutions – Mastercard Donation Platform and Aid Network team		
<ol style="list-style-type: none"><li>1. Designed API integration for accepting various types of donations, including one-time, monthly, micro, and roundup donations, expanded platform capabilities beyond standard online donations, enabling diverse donation options with APIs.</li><li>2. Developed a batch processing application using Spring Batch to handle monthly and roundup donations from scratch, significantly enhancing platform functionality.</li><li>3. Guided a team of 10 engineers to achieve the platform's vision and goals.</li><li>4. Authored comprehensive <a href="#">API</a> and <a href="#">product</a> documentation using <a href="#">JAMStack</a>, streamlining development and integration processes.</li><li>5. Simplified onboarding for API consumers, significantly improving user experience and adoption rates.</li><li>6. Designed user dashboards and reporting features by introducing offline reports and real-time charts, enhancing data visualization and user interaction using Angular 1.x, Java and charting libraries</li><li>7. Owned and contributed to backend Java services, focusing on offline modules and reporting services, ensuring seamless integration with the frontend.</li><li>8. Formulated and implemented newly introduced CI/CD pipelines for both frontend and backend applications, streamlining the development and deployment process.</li></ol>		

9. As early adopters in Mastercard, Transitioned application deployment from traditional on-premises servers to cloud platforms, including Cloud Foundry, improving flexibility and scalability.

## Senior Software Engineer

PTC

May 2013 – Jul 2016

Servistics InService Team

1. Contributed to the successful launch and follow-on releases by developing and maintaining the Search, Advanced Search, and Navigation features, enhancing application functionality and user experience.
2. Authored and reviewed pull requests, design notes, and other product documentation.
3. Fixed critical bugs and provided on-call product support, addressing urgent issues promptly
4. Responded to critical customer issues, ensuring high customer satisfaction and trust in the product.

## Software Engineer

WIPRO

Jun 2010 – May 2013

Aviva Insurance Offshore Team

1. Developed enterprise web applications using Java, Servlets, Portlets (WPF), and SQL.
2. Created Continuous Integration strategies and Continuous Deployment scripts (Chef, Ant, XML) for the web application product.
3. Coordinated development and deployment activities between on-shore and off-shore teams, ensuring seamless collaboration.
4. Balanced responsibilities with 50% focus on development and 50% on deployment/release management activities.

## Languages & Technologies

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Java | Kotlin | Spring Boot | API Design | Kafka | Postgres | Docker

## Education and Certifications

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- **B.E. Computer Science and Engineering** Punyashlok Ahilyadevi Holkar University, Solapur, India **2005 – 2009**

## Patents

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- **SYSTEM AND METHODS FOR VOICE CONTROLLED AUTOMATED COMPUTER CODE DEPLOYMENT**  
[US 16/669,040](#) · Issued May 6, 2021
- **METHODS AND SYSTEMS FOR CARDLESS PAYMENT TRANSACTIONS ASSOCIATED WITH FINANCIAL AID**  
[SG 10201906889X](#) · Issued Jul 25, 2019