

# RAMACHANDRAN NELLAIYAPPAN

München, Deutschland | +49 155 100 8660 | ramachandrannellai@gmail.com | [LinkedIn](#) | [GitHub](#)

Experienced Java Developer with 12+ years of expertise in building scalable web applications using Java, Spring, Angular, and databases like Postgres and Oracle. Skilled in agile methodologies. Passionate about enhancing code quality, driving productivity through innovative automation, and leading initiatives to improve development processes.

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## EDUCATION

**Bachelor of Engineering in Computer Science and Engineering | National Engineering College, Tamil Nadu, India**  
Year 2008-2012

- Graduated at First Class with GPA: 8 out of 10

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## EXPERIENCE

**Senior Software Developer | [1&1 Mail & Media Development & Technology GmbH](#) | München, Deutschland**  
January 2021 – Present (4+ Years)

- Leading e-mail provider in Germany, Austria and Switzerland with WEB.DE, GMX, and mail.com brands
- Having over 43 million active users around the world
- Europe's leading internet specialist and a subsidiary of United Internet AG

**Assistant Consultant | [Tata Consultancy Services](#) | Chennai, India**  
January 2013 – December 2020 (8 Years)

- An IT services, consulting and business solutions organization
- India's largest multinational business group
- It has over 601,000 of the world's best-trained consultants in 55 countries

**ORACLE®**  
**Certified Associate**  
**PL/SQL Developer**

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## SKILLS

- Java
- Spring Frameworks
- Maven
- Apache Wicket
- Angular
- REST API
- SQL & PLSQL
- Postgres & Oracle DB
- Git & GitLab
- Agile Scrum
- CI/CD Pipeline
- Docker & Kubernetes

## SPEAKING SKILLS

- English
- Deutsch (A1)
- Tamil

## SOFT SKILLS

- Enthusiastic
- Continuous Learning
- Innovation
- Prioritization
- Productivity
- Planning
- Motivated
- Mentorship

# ROLES & RESPONSIBILITIES HANDLED

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## APPLICATION DEVELOPMENT

- Designed and developed applications using Java frameworks Spring and Apache Wicket
- Developed RESTful web services to integrate with internal and external third-party systems
- Strengthened application security using Thread modeling and Penetration testing
- Designed and Migrated various legacy applications to modern Java architectures, reducing technical debt and improving system security and performance
- Integrated various automation tools like Renovate, Open-Rewrite to reduce technical debt
- Brainstormed and documented clear process and authored many How-To procedures, ensuring consistent processes, supporting team onboarding, and promoting best practices

## DESIGN AND ARCHITECTURE

- Designing effective solutions for real-time problems and translating them into actionable, implementable plan
- Architected microservices-based solutions, ensuring modularity, reusability, and maintainability of the codebase

## COLLABORATION & MENTORSHIP

- Collaborated with cross-functional teams (Frontend, QA and other teams) to deliver features
- Creating detailed delivery plan and overseeing the progress to meet delivery point
- Facilitate delivery planning and stakeholder meetings

## DATABASE DESIGN & DEVELOPMENT

- Developed and optimized complex SQL queries, stored procedures, triggers, and views to read & write data efficiently
- Analyzed & implemented indexing strategies, partitioning, and query optimizations to improve database performance
- Automated Database deployment activities using Flyway
- Successfully completed two major database migrations and rewarded for the same from client partners

## ACHIEVEMENTS & CERTIFICATIONS

- Awarded TWO times **Service & Commitment Award** for successfully completing major database migrations
- Earned Oracle PL/SQL Associate Developer Certification
- Currently Preparing for Spring Certification

## PERSONAL PROJECTS

- **Journeys ([GitHub](#) | [Website](#)) & Journeys API ([GitHub](#))**
  - Store your travel memories with narration, geo data, images, & videos and visualize them using OpenStreetMap
  - Built using Angular & Spring Boot with Atlas MongoDB
- **geojson4j ([GitHub](#))**
  - Developed a Java library for Geo-JSON domain models based on [RFC7946](#)
- **My Notes ([GitHub](#) | [Website](#))**
  - Designed and developed a Personal Knowledge Management (PKM) system for organizing notes and code snippets