

RAVIKUMAR MAKWANA

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Experience

Thinkbridge Software PVT LTD

Jun 2025 – Present

Senior Software Engineer

Pune, Maharashtra

- **High-Volume ATS Integration using API Batch Processing:** Led the design and implementation of Bullhorn ATS integration using **Factory Design Pattern** and **Microservices Architecture**, enabling seamless hiring and processing of **15,000+** candidates daily.
- **Automated Candidate Engagement:** Simplified a core Compass function at the system level, overcoming Twilio SMS stateless limitations to ensure consistent response mapping and deliver a better user experience.

Thinkbridge Software PVT LTD

Jun 2023 – May 2025

Software Engineer

Pune, Maharashtra

- **ATS Integration System:** Implemented scalable integration between ATS platforms (**Bullhorn** and **iCIMS**) and Compass using high-performance Webhook APIs, enabling seamless candidate data retrieval, reducing processing time by **60%**, and enhancing system reliability.
- **Intelligent Email Parsing:** Led the design and development of an **event-driven** email parser that processes **50,000+** applications weekly, reducing recruiters' manual workload by **90%**.
- **Azure AD SSO Integration:** Integrated **Single Sign-On (SSO)** authentication using **Azure AD OAuth2 & OpenID Connect**, securing access for **2,000+** daily users.
- **High-Performance System Optimization:** Optimized third-party integrations (**Modern Hire**, **Daxtra Search**, **Survale**) to handle **10,000+** daily transactions with high availability and efficiency. Enhanced application performance by **45%** through database query and code optimizations.
- **Event-Driven Asynchronous Processing:** Architected an Azure Functions-based **event-driven** system using message queues, reducing system latency by **30%**.

Tark Technologies

Aug 2021 – Jun 2023

Junior Software Engineer

Rajkot, Gujarat

- **Real-Time Medical Systems Development:** Developed responsive dashboards and reports using **ASP.NET Core Web API** and **Angular**, provided healthcare providers with real-time insights to enhance data-driven decision-making.
- **Performance Tuning:** Identified bottlenecks using **MiniProfiler**, refined database queries, and accelerated query response times by **30%**, leading to a significantly enhanced user experience and improved customer satisfaction.
- **Scalability Enhancements:** Upgraded **Angular (v8 to v15)** and **.NET libraries (v4.7 to v6)**. Migrated **MSSQL** database to **MySQL** using **Skeema.io** and **FlywayDB**, enhancing scalability and reducing costs.
- **Mentorship:** Supervised and mentored a team of **6** interns, facilitating their professional growth and project contributions.

Projects

URL Shortener

Mar 2025 – Mar 2025

- Engineered a high-performance, scalable **URL shortener** using a **microservices architecture**.
- Optimized Base62 encoding to support **900M+** unique short URLs with minimal collisions.
- Implemented **JWT-based authentication** and an **API Gateway** for secure, tokenized access.
- **Tech Stack:** ASP.NET Core v8, Angular v19, Entity Framework Core, MS SQL Server.

Technical Skills

Languages: C#, SQL, JavaScript

Frameworks & Libraries: ASP.NET Core Web API, Angular, Entity Framework Core, Dapper ORM, ADO.NET, LINQ

Databases: SQL Server, MySQL, Redis

Unit Testing: xUnit, NUnit, MsTest

Cloud & DevOps: Microsoft Azure, Git, DevOps, Jira

Architecture & Design: Microservices Architecture, SOLID Principles, Design Patterns, Data Structures & Algorithms

Education

V.V.P. Engineering College (Gujarat Technological University)

Jun 2017 – Jul 2021

Bachelor of Computer Engineering

Rajkot, Gujarat

CGPA: 9.80 / 10

Achievements

- Best Programmer (2018–2021) — Awarded for exceptional coding skills in college.
- NASSCOM Certified Software Developer — Certified in software development and product development.