

Mayank Agrawal

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PROFILE NAME: *Principal Architect / Lead Full Stack Engineer*

SUMMARY

As a Principal Architect & Lead Full Stack Engineer with over 8 years of experience in software development, I have a proven track record in leading teams, designing architecture, and delivering high-quality solutions on diverse platforms. My expertise in both frontend and backend technologies enables me to drive innovation and performance improvement, ensuring seamless delivery and enhanced user experiences. I thrive on collaboration and leveraging my knowledge of cloud technologies to optimize systems

WORK EXPERIENCE

Onsurity Technologies, Bengaluru, KA

May 2022 - April 2024

Team Lead - SDE III

Onsurity is a healthcare platform providing group health benefits for SMEs, MSMEs, and Startups.

- Improved **team efficiency by 20%** through leading brainstorming sessions and code reviews with engineering teams.
- Facilitated collaboration between 5 engineers and **DevOps** team, maintaining **high production issue resolution** rates.
- Led the integration of **3 third-party HRIS APIs** into the onboarding system, enhancing user connectivity by \$50k.
- Expanded 6 user interfaces using **React.js**, managing microservices for a project valued at \$200k.
- Applied browser **automation for website scraping** tasks, resulting in 50% time savings on backend Node.js projects.
- Managed infrastructure for **7+ scalable system solutions** using **AWS and Azure services**, maintaining a budget of \$1M.
- Skills Utilized: Node.js, ExpressJS, MongoDB, MySQL, PostgreSQL, React.js, Redux, Vite, TailwindCSS, Redis, Playwright, AWS(SQS, Lambda, Serverless, Elastic Beanstalk, IAM, etc), TypeScript, Java Spring Boot, JPA, Azure(VM's, MSSql, *OAuth2*), Git, Docker, Github Actions, CI/CD Pipeline.

Ace Turtle, Bengaluru, KA

September 2020 – May 2022

Senior Software Engineer

Ace Turtle's is a SaaS B2B company enabling omnichannel sales, marketplace integration, and order fulfillment across platforms like Flipkart, Amazon, and Myntra.

- Oversaw 6 frontend/backend developers, enhancing daily **scrum efficiency by 30%** through improved **sprint planning**.
- Identified and **resolved 12 blockers** during **code reviews**, assisting team members to **enhance productivity by 25%**.
- **Collaborated on 2 major projects**, ensuring smooth operations across **frontend (Angular)** and **backend (Node.js)** platforms.
- Drove the **performance evaluation cycle** for 6 team members, **managing 100% of appraisal** tasks.
- **Optimized 15 MongoDB queries** while **managing 5 AWS services** for cloud infrastructures under \$300k.
- Skills Utilized: Node.js, ExpressJS, MongoDB, Angular, TypeScript, React.js, Redux, HTML, CSS, AWS(EC2, SQS, Lambda, Elastic Beanstalk, Cloudwatch, DynamoDB), HotJar, New Relic, ELK, Docker, JIRA, Slack.

Durvah IT Consulting, Bengaluru, KA

September 2019 - August 2020

Software Engineer

- Delivered an **entire project from inception**, achieving a **client satisfaction score of 95%** after UI/UX development.
- Coordinated with client **AirAsia**, resulting in 2 significant project adaptations based on their detailed requirements.
- Skills Utilized: Node.js (v10.16.4), Angular(v8, 9), ExpressJS (v4.16), MongoDB (v4.2.6), MySQL, HTML, CSS.

Promatic Technologies, Ludhiana, PB

March 2018 - April 2019

Associate Software Developer

- Enforced 4 key web development features, optimizing daily AWS server configurations for efficiency..
- Conducted training for 10 new team members on MEAN stack technologies, improving onboarding speed by 40%.
- Engaged in 5 direct client calls, adapting 6 ongoing projects to fulfill their requirements promptly.
- Skills Utilized: Node.js(v8), Angular(v4, 5, 6), ExpressJS, MySQL(Sequelize JS), MongoDB, Socket.io, AWS EC2.

System Engineer

- Created APIs for 2 databases in the 'Customer Plan Prediction' module, resulting in 20% improved data retrieval speed.
- Designed 5 initial client page layouts, enhancing server configuration processes for better performance.
- Skills Utilized: *Node.js*, ExpressJS, MySQL, HTML, CSS

PROJECTS

Onsurety (Gateway, RBAC, Identity, Integration, Claims, Notifications):

- Technology Stack: NodeJS, Java Spring Boot, MongoDB, MySQL, React, Git, GitHub Actions, AWS, Azure, etc
- Product Link: [Teamsure](#), [Android](#)

AceTurtle (Rubicon 2.0, Connect App):

- Integrated **QZ-tray** in the warehouse invoice printing system, achieving **up to 70% time savings** and streamlining operations.
- Developed a **new merchandising feature** for **LEE & Wrangler**, enabling seamless integration between offline and online stores, **enhancing customer purchase experience** across channels and connecting **multiple offline stores to online platforms**.
- Technology Stack: NodeJS, Angular, MongoDB, AWS
- Project Link: [Android](#), [IOS](#)

Durvah (AirAsia AMS -Agent Management System) - It's an Agent's commission Invoice Automation:

- Created a comprehensive invoice billing application for AirAsia's sales agents.
- Engineered the database and REST APIs for the website using Angular 8 and NodeJS.
- Technology Stack: Angular v8, NodeJS v10, ExpressJS, MongoDB.
- Project Link: <https://ams.airasiaindia.com>

Promatics (MAC - Meet & Chill) – Geo-social networking and online dating app:

- Initiated the project, creating the database and developing REST APIs for Android/iOS mobile apps using NodeJS.
- Deployed Angular 6 for the Admin Panel, facilitating app and user management.
- Technology Stack: Angular v6, NodeJS v8, ExpressJS, MySQL, Sequelize, Socket.io.
- Project Links: <https://meetnchill.com/>, [Android](#)

Promatics (LeQuiz) – Real-time mobile quiz game app:

- Designed database & REST APIs in NodeJS, and executed Socket.io for real-time data emitting.
- Utilized Angular 6 for the Admin Panel to manage app and user-related tasks.
- Created a website in Angular 6 (unreleased).
- Technology Stack: Angular v6, NodeJS v8, ExpressJS, MySQL, Sequelize, Socket.io.
- Project Link: <https://lequiz.live/>

ShowUoff – Sports and social media app for UAE kids:

- Initiated the project, creating the database and developing REST APIs for Android/iOS mobile apps using NodeJS.
- Introduced Angular 4 for the Admin Panel, facilitating app and user management.
- Technology Stack: Angular v4, NodeJS v8, ExpressJS, MySQL, Sequelize, Socket.io.
- Project Link: [Android Play Store](#)

RESEARCH PAPER

Abstract acceptance and invitation at CSI Lucknow Chapter 2015 National Conference.

- Green Technology a Modern Approach to Make the Environment Hygienic For Human Living.

EDUCATION

B.TECH in Computer Science & Engineering, 2012 - 2016

Dr. A. P. J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh.

KEY SKILLS

- **Technical Architecture & Design:** Expertise in architecture, design, and technical documentation.
- **Technical Leadership & Strategy:** Proven ability to lead teams, define technical strategies, and drive execution.
- **Backend Development:** Proficient in Java (v12 & v17), Spring Boot, and JPA.
- **Full-Stack Development (MEAN/MERN Stack):** MongoDB, ExpressJS, Angular, React.js, Node.js, TailwindCSS, Shadcn, Redux.
- **Database Management:** Strong experience with MySQL (ORM - Sequelize) and Mongoose.
- **DevOps & Cloud:** Hands-on with AWS, Azure, Docker, GitHub Actions, and CI/CD pipelines.
- **Agile Methodology:** Skilled in Sprint Planning, Scrum Meetings, JIRA, Slack, and fostering agile work environments.
- **Team Building:** Cultivates positive workplace relationships and encourages collaboration.