

Avinash Andhale

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SUMMARY

Results-driven Full Stack Web Developer with 4 years of experience specializing in JavaScript, Angular, Node.js, and MySQL. Expertise in developing scalable web applications, enhancing user experiences, and ensuring robust code quality with testing frameworks like Cafet ODT, Jasmine, and Karma. Proficient in Agile methodology, microservices architecture, and cloud deployment.

SKILLS

Programming/Framworks — Angular, Node.js, JavaScript, TypeScript, MySQL, **Version Control** — Git, Docker, **Testing Frameworks** — Jasmine, Karma, Cafet ODT, **System Design** — Load Balancing, Caching, Microservices, Authentication

EXPERIENCE

Dassault Systemes Solution Lab, Pune, R&D Development Engineer 05/2023 – Present | Pune

• Developed key features for **Change Management** App: **Custom Table View** Enhancement, **Investigation Request Summary**, **Sub-type support**, **Create CA component** and **Issue Facet integration**.

- Achieved a **60% reduction** in object loading time by **optimizing** PCS topics.
- Delivered **70%** unit test **code coverage** using Jasmine, Karma, and Cheetah frameworks..
- Developed **Web Service Layer APIs** utilizing Modeler APIs.
- Authored **PES documentation** and conducted walkthroughs for new features..
- Managed **server setups** and code promotions, ensuring smooth BSF testing processes.
- Addressed customer **incident reports and bug fixes** to meet backlog targets..

TCS(Tata Consultancy Services), Pune, Assistant System Engineer 07/2021 – 05/2023 | Pune

- Built responsive UI components with **Angular 12+** Framework, improving user interaction.
- Leveraged **DevExtreme/Angular Material** library to implement grids, forms, and editors.
- Integrated **RxJS** for API communication and real-time updates with Observables.
- Implemented Excel **file export** using **ExcelJS, Lazy Loading techniques, and virtual scrolling**.
- Developed RESTful APIs using **NodeJS** within **Express gateway microservice** architecture.
- Designed and optimized **MySQL** database operations, including **stored procedures** and documentation.
- Performed code reviews, bug fixes, and code promotion with the help of **Git, Docker, and AWS**.
- Led weekly **Agile sprint planning** and client meetings for product improvements.

EDUCATION

College of Engineering Pune (COEP), 2019 – 2021 | Pune

MTech in VLSI & Embedded Systems with 8.09 CGPA

PVG's College of Engineering & Technology, Pune, 2013 – 2017 | Pune

B.E. in Electronics & Telecom with 74.2%

PROJECTS

Drone Survey Management System 🌐 03/2025 – Present

- Developed a responsive Drone Survey Management System UI using **Angular 17, Angular Material**, and **NgRx** for state management. Implemented secure auth flows, lazy loading, and built scalable Node.js microservices with RESTful APIs, **Redis** caching, and **Express gateway**.

Tours and Travels Services 🌐 11/2024 – 12/2024

- Developed responsive UI with **Angular Material, Google Maps integration, and WhatsApp-based query forms**.

Real Time fruit detection and recognition for smart refrigerator 08/2020 – 06/2021

- Trained models (Faster-RCNN, SSD, YOLO) achieving fruit detection with **80% accuracy** and **1 sec detection speed** using Tiny YOLO V3.

AWARDS

Champion, Investigation Request-Dassault Systèmes 01/02/2025

Evangelist, Recognized for rapid learning & collaboration-DSSL 01/05/2024

Best Team Award, Achieved 100% CSI-TCS 01/09/2022

On the Spot Award, Successful completion of CMMI Assessment-TCS 01/09/2022