

ASHWIN RAO

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SUMMARY

Engineer turned engineering leader. Built products from broken MVPs to 1,000+ DAU platforms, shipped 0-to-1 mobile apps to both app stores, and now lead engineering teams. Full-stack across React Native, Node.js, AWS, and AI/ML. MS in Robotics and AI from ASU.

SKILLS

- **Languages & Frameworks:** Python, TypeScript, React, React Native, Node.js, Next.js, JavaScript, SQL
- **Infrastructure:** AWS (Lambda, EC2, S3, RDS, DynamoDB), Docker, Kubernetes, Terraform, CI/CD
- **AI/ML:** LLMs, OpenAI API, Prompt Engineering, TensorFlow, PyTorch, Eval Design
- **Product & Leadership:** Team Leadership, Roadmap Planning, Cross-functional Collaboration, Technical Specifications, Stakeholder Management

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer | Boomer Roomers | Westport, Connecticut **Jul 2024 - Current**

- **Architected and built core platform infrastructure** from early-stage MVP to production system serving 1,000+ DAU, spanning React Native mobile, AWS cloud services, Node.js backend, and MongoDB
- **Own engineering roadmap and team operations**, including sprint planning, code reviews, and technical mentorship, shipped 10+ features, including real-time messaging, content moderation, and ID verification
- **Optimized platform performance** through MongoDB aggregation pipelines and Prisma ORM, cutting query latency by 60% and eliminating critical bottlenecks that previously caused system instability

Senior AI/Full Stack Engineer | RoomieHub | Tempe, Arizona **Aug 2024 - Dec 2025**

- **Shipped React Native app from 0 to 1** on iOS and Android app stores, owning product roadmap, technical architecture, and release management
- **Designed ML-powered matching algorithm** using weighted feature analysis across 15+ compatibility dimensions, driving a 35% improvement in match quality based on user feedback metrics
- **Defined and tracked product KPIs**, including match rate, message response rate, and 7-day retention, iterated on features based on user behavior data

Full Stack Data Engineer | MY DR NOW | Chandler, Arizona **Jan 2024 - May 2024**

- **Drove 35% improvement in marketing team velocity** by integrating Payload CMS, enabling non-technical stakeholders to manage content without engineering support
- **Achieved 99.9% uptime and 25% infrastructure cost reduction** through serverless architecture (AWS Lambda, S3) with automated CI/CD pipelines
- **Improved Lighthouse performance score from 65 to 92** via Prisma ORM optimization and React Query implementation, reducing data retrieval times by 40%

Web Developer | MY DR NOW | Chandler, Arizona **Oct 2023 - Dec 2023**

- **Led ground-up website rebuild** from a legacy 2000s-era system to a modern Next.js/Tailwind stack in under 4 months, cutting page load times by 65% (FCP 2.8s → 1.0s) and driving measurable increases in online bookings and site traffic

Frontend Developer | India Urban Data Exchange | Bangalore, India **Feb 2021 - Apr 2022**

- **Built real-time data visualization dashboard** processing 50K+ daily data points with React, Redux, D3.js, and WebSockets; improved refresh rates by 45%

Mobile App Developer Intern | Acumensa Technologies | Bangalore, India **Mar 2020 - Jan 2021**

- **Cut deployment time by 60% and boosted performance by 35%** through Docker containerization, microservices architecture, and React Native optimization on GCP

Website Developer Intern | Greyboard Consulting | Bangalore, India **May 2019 - Dec 2019**

- **Reduced workplace incidents by 80%** by developing client-facing safety monitoring system with real-time tracking and automated alerts, became flagship product for the consulting practice

PROJECT EXPERIENCE

AI-Powered Trading Alerts Aggregator | Tempe, AZ **Dec 2024 - Feb 2025**

- Engineered unified signal aggregation system with NLP-based classification and real-time trend prediction, consolidating alerts from multiple trading channels into actionable Telegram feed

What The Food | Tempe, Arizona **Sep 2024 - Nov 2025**

- Built AI-powered recipe generation achieving sub-2s latency through eval-driven prompt optimization, designed dietary safety guardrails and reduced API costs 40% via semantic caching

EDUCATION

M.S. Robotics and Autonomous Systems (AI) | Arizona State University, Tempe, AZ **Aug 2022 - May 2024**

B.E. Computer Science | Ramaiah Institute of Technology, Bangalore, India **Aug 2018 - May 2022**