IMAN HEDESHY

FULL STACK SOFTWARE ENGINEER

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PROFILE

Full Stack Software Engineer with a track record of building scalable, high-performance web and mobile applications. Experienced in React, React Native, TypeScript, Python, AWS, and backend architectures, I specialize in IoT connectivity, real-time data processing, and cloud-native solutions. Passionate about security-first development, HIPAA compliance, and agile methodologies, I drive impact by blending technical innovation with user-centered design. Currently contributing to health-tech advancements at PathSpot, I thrive in fast-paced, problem-solving environments, helping teams ship robust, secure, and efficient software solutions.

EXPERIENCE

Founding Engineer | GoAudience
May 2025 – Present, New York

- Transitioned GoAudience from a 100% outsourced codebase to an in-house engineering org—onboarded legacy Node.js services, codified best practices, and hired the first internal team.
- Own the end-to-end architecture: Node 20 + Express microservices, React + TypeScript front-end, Dockerized dev/prod environments and CI/CD.
- Harden live systems—tighten security, optimize performance, and resolve incidents to maintain near-zero customer impact.
- Drive "launch-ready" features: orchestrate QA, roll out phased CI/CD releases, and implement real-time telemetry for rapid iteration.
- Architect next-gen capabilities: vector search (Pinecone/Postgres-vector) and AI-powered data-enrichment pipelines with OpenAI.

Senior Software Engineer | PathSpot Technologies
Aug 2024 – Apr 2025, New York

- Developed cross-platform mobile applications for health and safety using React Native, including native Swift modules for iOS.
- Integrated and managed IoT devices via Bluetooth and Wi-Fi, including camera functionality, ensuring robust device-to-cloud connectivity.
- Enhanced full-stack health and safety applications with React, Chalice, and PostgreSQL.
- Implemented and maintained UI libraries for consistent and efficient mobile development.
- Optimized front-end and back-end performance for responsive and high-performing user experiences.
- Utilized AWS services for deployment and DevOps automation, establishing efficient CI/CD pipelines.
- Ensured HIPAA compliance in application development and data management.

- Led code reviews and refactoring to maintain high code quality and streamline development processes.

Full Stack Engineer / Consultant | Adomo Health Inc.
Mar 2024 – Feb 2025, New York

- Developed a healthcare web application, enhancing diagnostic service accessibility with TypeScript, Node.js, Express.js, Next.js, React, Go, PostgreSQL, and Vite; adhered to HIPAA compliance.
- Implemented agile workflows in Notion, improving team productivity and deliverable quality.
- Created responsive UIs with MUI, utilizing Next.js for SSR, optimizing load times, and enhancing SEO.
- Integrated AWS for scalable infrastructure, employing microservices and serverless functions for performance.
- Managed app deployment and system operations using Vercel and AWS.
- Created responsive UIs with Figma, emphasizing accessibility standards across devices.
- Collaborated closely with cross-functional teams, ensuring seamless integration of new features and bug fixes.

Full Stack Developer / Consultant | Ada Tech
Dec 2020 – Present, Toronto

- Built scalable web solutions in TypeScript, React, Node.js, Next.js, Python; utilized AWS, Vercel, Heroku, Netlify.
- Enhanced CI/CD practices through Git/GitHub for version control and collaboration.
- Developed RESTful APIs with Express.js, ensuring seamless front-end and back-end integration.
- Applied responsive design principles using CSS3 and SASS for cross-device compatibility, utilizing MUI, TailwindCSS, and Bootstrap.
- Conducted unit/integration testing with RTL and Jest, ensuring code quality and reliability.
- Optimized application performance through effective state management and lazy loading techniques.

Software Engineering TA | BrainStation
Jul 2023 – Dec 2023, Toronto

- Mentored students in web technologies, emphasizing JavaScript, HTML, CSS, React, Node.js, Express, and SQL.
- Facilitated coding sessions and code reviews, employing agile methodologies for real-world development simulation.
- Developed curriculum materials focused on web development best practices.
- Promoted responsive design and accessibility in projects, guiding user-centric application implementation.
- Advocated for test-driven development (TDD) with RTL and Jest to enhance software reliability and guided deployments on Heroku and Netlify.

Operations Manager | Snapp
Aug 2017 – Dec 2023

- Spearheaded strategic planning and workflow optimization, propelling a nascent startup to achieve unicorn status, and now the biggest tech company in the Middle East.
- Played a pivotal role in scaling operations from 400k to 5M+ daily rides, while expanding the team under my supervision from 15 to 350+ members, reflecting strong leadership and growth management.

- Leveraged Python and SQL to derive actionable insights from data, guiding key business decisions and bolstering the company's market position.
- Fostered a culture of agility by embedding Scrum practices into business operations, enhancing process efficiency and adaptability.

Co-Founder, Engineer | SaamTech
Jan 2013 - Aug 2017

- Engineered web and software applications, driving the development and logic of VB.NET-based platforms and IoT integrations for enhanced energy efficiency.
- Directed the design-to-production lifecycle of interactive hardware, ensuring quality and user-centric innovation.
- Advocated agile project management, leading to consistent on-time project delivery and stakeholder satisfaction.
- Advanced open-source initiatives, cultivating a community committed to technological advancement.

EDUCATION

MBA, Khalaghan Business School
Software Engineering, BrainStation
Computer Engineering, Ferdowsi University

CERTIFICATIONS and AWARDS

- 1st Place, Microsoft | Data Privacy Hackathon, 2023
- Cybersecurity Certification, BrainStation
- AWS Certified Solutions Architect - Associate
- ISC2 CC Certification

SKILLS

Languages & Frameworks: TypeScript, JavaScript (ES6+), Python, Go, Ruby, Swift, React, React Native, Next.js, Node.js, Express.js, Django, FastAPI, Flask, Rails, Chalice.
Mobile Development: React Native (iOS & Android), Native Modules (Swift), Bluetooth, Wi-Fi, Camera APIs, Vision Camera, BLE Manager, IAP.
Cloud & DevOps: AWS (Lambda, RDS, DynamoDB, S3, CloudFront, SNS, API Gateway, X-Ray),GCP (Compute Engine · GKE · Cloud Functions · Pub/Sub), Docker, Kubernetes, Terraform, CI/CD, Vercel, Netlify, Heroku.
Databases & APIs: PostgreSQL, MySQL, MongoDB, DynamoDB, REST, GraphQL, Prisma, Knex.js, SQLAlchemy.
Data & AI/ML: Pinecone, OpenAI GPT-4, Mendable Firecrawl, Vector Search, LLM Pipelines
Security & Compliance: Cybersecurity, PHIPA/HIPAA, IAM, OAuth, Auth0, SSL/TLS, AWS Lambda Powertools.
Testing & Performance: Jest, Cypress, React Testing Library, Webpack, SWR, Redux Toolkit, Formik, Pandas, json2csv.
Project Management: Agile (Scrum, Kanban), Jira, Notion, Linear, Git/GitHub.