HARSHITH GOWDA MUNIRAJ

Full Stack Software Engineer | React · Angular · Node.js · NestJS · TypeScript · Python · AWS

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linkedin.com/in/harshith-gowda-m-95a21922a | github.com/Harshith495 | wildatlas.live | Full, unrestricted Australian working rights

PROFESSIONAL SUMMARY

Full-stack software engineer with over a year of commercial experience delivering enterprise web applications for global clients — React, Next.js and Angular with TypeScript on the front end, Node.js and NestJS behind them, and MySQL databases I designed and built, alongside Microsoft SQL Server. Authored and deployed AWS services in production (Lambda, S3, API Gateway, SQS, SES, EventBridge) and supported them live through CloudWatch, working inside CI/CD pipelines in Jenkins and GitHub Actions. Profiling and on-demand data loading on an enterprise mapping application cut its load time by 30%. Ships and owns what is built: WildAtlas is a production application taken from requirements through deployment to post-launch support, live at wildatlas.live with Vitest unit tests and Playwright end-to-end suites behind it. Holds a Master of Data Science, with Python data pipelines built and deployed as monitored services, and works directly with clients and non-technical stakeholders as well as engineering squads.

CAREER HIGHLIGHTS

- Reduced application load time by 30% on an enterprise mapping application — profiled in Chrome DevTools, consolidated functions duplicated across multiple service files into a single shared module, and reworked the post-login map to load frequency data only for the locations in view instead of all of them up front. Work I identified rather than was assigned.
- Built and shipped WildAtlas end to end — a React 19 and TypeScript application live in production at wildatlas.live, with Vitest unit tests and a Playwright end-to-end suite behind it, and the post-launch fixes handled by me.
- Authored and deployed AWS Lambda services in production: an EventBridge-scheduled notification service using Amazon SES, with S3 for storage, API Gateway exposing endpoints and SQS decoupling message processing — then supported them live through CloudWatch.
- Took two machine learning models out of the notebook and into production as monitored Flask services — a content classification pipeline reaching an F1-score of ~0.85, and a clinical diagnostic pipeline at up to 95% validation accuracy.

CORE TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Python, SQL; Go (working exposure)

Frontend: React (incl. React 19), Next.js, Angular; component architecture, reusable UI, state management (React Query, Context API and hooks); Tailwind CSS, Sass/SCSS, HTML5, CSS3, Vite; responsive and cross-browser development; accessibility (WCAG 2.2 AA); Figma

Backend & APIs: Node.js, NestJS, Express, Python (Flask); RESTful API design, development and integration; Swagger/OpenAPI contract design; Postman; JSON; authentication flows; WebSockets; third-party and legacy system integration

Cloud & Serverless: AWS — Lambda (authored and deployed in production), S3, API Gateway, SQS, SES, EventBridge, CloudWatch logs and monitoring; Docker — containerising and running applications locally; Google Cloud, Azure

CI/CD & Version Control: Jenkins, GitHub Actions, AWS CodePipeline; automated build, test and deployment; release and change management; Git, Bitbucket, GitHub — branching, tagging, pull-request workflow, code review

Databases & Data: MySQL (designed and built in production), PostgreSQL, Microsoft SQL Server, MongoDB, SQL; schema design, views, query optimisation; Apache Kafka, Apache Spark, Databricks, Power BI; end-to-end ETL and data pipelines

Performance: Front-end profiling in Chrome DevTools; removing duplicated code into shared modules; loading data on demand rather than up front; measuring before-and-after load times

Testing & Quality: Jest, Vitest, Playwright; unit and end-to-end suites; test planning; debugging, profiling and performance optimisation; refactoring; technical documentation

AI & Machine Learning: TensorFlow, scikit-learn; model training, evaluation and deployment as monitored production services; classification pipelines; AI coding assistants in daily engineering work

Ways of Working: Agile and Scrum — sprint planning, daily stand-ups, retrospectives; Jira; client meetings, requirement gathering and progress reporting to non-technical stakeholders

PROFESSIONAL EXPERIENCE

Software Engineer (Full Stack) — Trigent Software Solutions

Nov 2022 – Jan 2024

Bengaluru, India — a technology services firm building and maintaining software for global enterprise clients, including Shure (global audio electronics)

- Developed, maintained and enhanced enterprise web applications end to end — React and Angular with TypeScript on the front end, Node.js and NestJS on the back end — implementing screens, forms, reusable components and the REST services behind them.
- Designed and built the MySQL databases supporting these applications: schema design, views, queries and data troubleshooting; also worked across Microsoft SQL Server.
- Authored and deployed AWS Lambda functions in production, including a scheduled notification service using EventBridge and Amazon SES, with S3 for storage, API Gateway exposing endpoints and SQS decoupling message processing.
- Supported those deployed AWS services once live — investigating failures through CloudWatch logs and following issues through to resolution.
- Worked within CI/CD pipelines in Jenkins and GitHub Actions, contributing to automated build, test and deployment workflows and the release and change processes around them.
- Reduced application load time by 30%: found the post-login map was requesting frequency data files for every location up front, and that shared functions were duplicated across several service files — moved those into one shared module and changed the map to load data only for the locations in view, confirmed against before-and-after timings in Chrome DevTools.
- Implemented UX specifications and design systems from Figma into production interfaces, working directly with designers and product owners.
- Investigated, diagnosed and resolved application bugs and usability issues raised by client users, following them through to resolution.
- Attended client meetings directly — gathering requirements, discussing scope and reporting progress to non-technical stakeholders — alongside sprint planning, daily stand-ups and retrospectives, with work tracked on Jira boards and code reviewed through Bitbucket pull requests.
- Awarded Employee of the Month for exceptional delivery, problem-solving and engineering quality.

PRODUCTION PROJECTS

WildAtlas — Live Production Web Application (wildatlas.live)

Feb 2026 – Jun 2026

Monash University Capstone — React 19, TypeScript, Vite, REST APIs

- Owned the system end to end — requirements through development, deployment and ongoing support — live on a public domain, including build, release and post-launch fixes.
- Built the front end in React and TypeScript: screens, interactive components and reusable UI, integrated with REST services returning asynchronous external data and handling loading, empty and unexpected-input states.
- Wrote and maintained the test suites — Vitest unit tests and a Playwright end-to-end suite — and managed change through Git branching, structured pull requests, code review, release and post-deployment verification.
- Authored system and configuration documentation so the application could be maintained by someone who had not built it, and delivered an accessible interface to WCAG 2.2 AA.

Content Moderation Classifier — End-to-End Python Data Pipeline Mar 2026 – Apr 2026

Personal Project — Python, TensorFlow, Flask

- Built a full pipeline — ingestion, preprocessing, modelling and evaluation — reaching an F1-score of ~0.85, deployed as a Flask web service with performance monitoring in production.

Clinical Diagnostic Classifier — Classification Pipeline Jun 2021 – Jun 2022

Personal Project — Python, SVM / ANN / CNN, Flask

- Built a complete data and modelling pipeline reaching up to 95% validation accuracy, deployed as a Flask web app for real-time inference.

EDUCATION

Master of Data Science — Monash University Jul 2024 – Jul 2026

Clayton, Victoria, Australia — Python, SQL, statistical modelling, evaluation, data engineering; Apache Spark and Databricks

Bachelor of Engineering — Computer Science Jun 2018 – Jul 2022

Visvesvaraya Technological University, India — CGPA: 8.35/10

ADDITIONAL

- Full, unrestricted Australian working rights. No sponsorship required.
- Available immediately. Melbourne-based, open to relocation and to hybrid or remote arrangements.
- Certification: MERN Stack Development — Jspiders: full-stack JavaScript (MongoDB, Express, React, Node.js).