

PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 6+ years building and scaling a production web platform for a business serving 150,000 users. Specialise in React, TypeScript, Next.js and Gatsby front-ends backed by Node.js, GraphQL and Apollo APIs over PostgreSQL and Firebase data with Stripe payments, deployed on AWS and DigitalOcean through GitHub Actions CI/CD. Measurable impact: 50% faster page loads, capacity for a 200% increase in user traffic and a 95% user satisfaction score. Own architecture decisions and mentor engineers through code review. Competitive programming background — first place in the Jordanian Olympiad in Informatics. Vetted in the top 3% of global talent by Toptal.

PROFESSIONAL EXPERIENCE

Full-Stack Software Engineer — Collar

Consumer web platform for pet owners and pet-care businesses — collar.pet

London, UK · Sep 2020 - Present

- Own architecture decisions for Collar’s consumer web platform, supporting a business serving 150,000 users.
- Redesigned the platform architecture in React, TypeScript, Gatsby, Node.js, GraphQL (Apollo) and Stripe, cutting page load times by 50% and scaling the platform to absorb a 200% increase in user traffic.
- Launched a pet management platform that reached a 95% user satisfaction score, letting pet owners and pet-care businesses manage products, services and bookings in one place.
- Mentor engineers through structured code review and lead continuous improvement of the platform, owning features end to end from requirements through production deployment on DigitalOcean and triage of production issues.
- Design and ship responsive user interfaces with accessibility built in, owning frontend architecture and the component library, and applying performance optimization to first-load and interaction cost.
- Work across the data layer in PostgreSQL and Firebase, integrating GraphQL and REST APIs against event-driven microservices and serverless functions in Collar’s backend.
- Develop in a monorepo with styled-components and Tailwind CSS, using AI-assisted development (Copilot and Cursor) as a standard part of the workflow to accelerate delivery and code review.
- Maintain a heavy automated testing discipline — unit testing and end-to-end testing with Jest, React Testing Library, Vitest, Cypress and Playwright, integrated into GitHub Actions CI/CD pipelines with feature-flagged, staged rollouts and peer code review.
- Built secure Stripe payment workflows and Firebase-backed data flows for product and service transactions.

Tools: React, TypeScript, Next.js, Gatsby, Node.js, GraphQL (Apollo), Stripe, PostgreSQL, Firebase, AWS, Jest, Cypress, Storybook, GitHub Actions

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Python, Java, C, C++, SQL, HTML / HTML5, CSS / CSS3, semantic HTML

Frontend: React, Next.js, React Native, Gatsby, Redux, Zustand, TanStack Query, React Query, state management, component architecture, frontend architecture, design system, component library, monorepo, feature flags, server-side rendering, Apollo Client, Tailwind CSS, styled-components, CSS-in-JS, Storybook, Figma, Vite, Webpack, responsive design, responsive UI, accessibility, WCAG, user experience, performance optimization

Backend & APIs: Node.js, GraphQL, Apollo Server, Joi validation, microservices, event-driven architecture, serverless functions, REST APIs, API design, API integration, Stripe payment integration

Data & Infrastructure: PostgreSQL, Firebase, AWS, DigitalOcean, Docker, Git, GitHub Actions, CI/CD, continuous integration

Testing & Quality: Jest, React Testing Library, Vitest, Cypress, Playwright, unit testing, end-to-end testing, automated testing, code review, QA

Computer Science: Data structures & algorithms, object-oriented programming, competitive programming, computer vision, numerical optimization, NumPy, SciPy, OpenCV, data analysis

Practices: End-to-end ownership, technical ownership, technical leadership, system design, architecture decisions, AI-assisted development, mentoring, code review, cross-functional collaboration, agile, sprint planning, stakeholder collaboration, observability, scalable architecture

SELECTED PROJECTS

Personal Portfolio — farah.ghaet.uk

2026 · [github.com/FarahBebs/farah-portfolio](#)

Designed and built a production portfolio site: server-rendered Next.js with a styled-components design system, responsive layouts, accessible navigation and a live GitHub repository feed. Deployed at farah.ghaet.uk.

3D Depth Estimation & Stereo Reconstruction

2026 · [github.com/FarahBebs/3D-STEREO-DEPTH-RECONSTRUCTION](#)

Full stereo-vision pipeline in Python: SSD block-matching disparity, Levenberg-Marquardt numerical optimization for disparity refinement, depth-map reconstruction and 3D point-cloud generation, benchmarked against synthetic ground truth.

Playroom — Browser Games

2026 · [playroom-joy.netlify.app](#)

A collection of lightweight browser games built for instant play with no sign-up, using browser APIs for state, input and animation. Live at playroom-joy.netlify.app.

ACHIEVEMENTS & RECOGNITION

Toptal — Top 3% of Global Talent. Independently screened for technical depth, communication and real-world delivery. [Verified profile.](#)

Jordanian Olympiad in Informatics — 1st place. National C++/C competitive programming competition, 2019.

TechGirls — 1st place. US State Department technology exchange programme, 2018. [Result.](#)

Türkiye Scholarships — recipient. Government of Turkey scholarship, awarded to ~5,000 of 165,500 applicants worldwide, 2021. [Programme.](#)

EDUCATION

BSc, Computer Engineering — Istanbul Medeniyet University

Coursework: data structures & algorithms, object-oriented programming, computer science, digital circuit design.

2021 - 2026

Front-End / Back-End Engineering Bootcamps

Oct 2020 - Apr 2021

ADDITIONAL INFORMATION

Languages: Arabic (Native), English (Full Professional), Turkish (Full Professional)

Volunteer: 2nd Symposium on Informatics and Technology Law (2022) — data protection, GDPR and privacy compliance