Melvin Mupondori

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Profile

Senior Full Stack Engineer with 7+ years building scalable web platforms across Healthcare, Esports, and Fintech. Specialises in Node.js/React ecosystem, microservices architecture, and modern DevOps practices (Kubernetes, CI/CD).

Professional Experience

Senior Full Stack Engineer, Community Dental Partners, Remote (Denton, TX)
Nov 2022 — Present

- Architected enterprise intranet managing complete patient lifecycle for 70+ clinic network, processing $45 million in annual billing transactions with 99.8% uptime
- Improved application performance by 50% across 20+ internal healthcare applications through bundle optimization and strategic caching
- Engineered microservices synchronizing 8TB of monthly data from distributed OpenDental instances to centralized AWS RDS, supporting clinical operations for 700+ staff
- Built secure data pipelines integrating Medicare, insurance providers, and SwellCX systems, reducing claims processing time by 35%
- Established CI/CD pipeline with Playwright end-to-end testing, decreasing production bugs by 60% and deployment time by 70%
- Mentored 3 junior engineers to mid-level promotions through structured code reviews and pair programming

Software Engineer (contract) , OperateBeyond, Remote (Grand Rapids, MI)
Aug 2022 — Dec 2022

- Reduced Elasticsearch index time by 40% and search latency by 50% for multi-industry dealership platform through shard optimization and query tuning
- Developed responsive dealership management system integrating with legacy DMS platforms across powersports, marine, and RV sectors
- Built fault-tolerant inventory syndication system normalizing data from 100+ dealers to multiple third-party classified sites, processing 15,000 listings daily

Software Engineer, Gfinity PLC, Remote (London, UK)
Jul 2021 — Jul 2022

- Architected real-time tournament platform supporting 100K+ concurrent users through WebSocket integration and Redis Pub/Sub
- Reduced F1 Esports platform load time by 80%, improving user experience for millions of monthly visitors globally
- Developed dynamic results ingestion and real-time standings system for official F1 Esports Series broadcast to millions worldwide
- Built bracket generation and seeding logic for complex tournament progressions serving 10+ official F1 teams

Software Engineering Consultant, Community Dental Partners, Remote (Denton, TX)
Oct 2020 — May 2021

- Architected 10+ Node.js and GraphQL microservices handling 5 million API requests monthly
- Improved database read performance by 75% using Redis caching, enabling real-time patient data access for 500 concurrent users
- Built comprehensive testing suite with Jest and Playwright achieving 90% code coverage, reducing regression bugs by 45%

Software Engineering Consultant, American Sign Language Communication, Remote (Henderson, NV)
Sep 2019 — Sep 2020

- Modernized critical Node.js application (v6 to v18) for ASL interpreter scheduling platform connecting 200+ healthcare providers with 350+ interpreters
- Established GitOps CI/CD pipeline using Bitbucket, AWS ECR, and ArgoCD for EKS deployments, increasing feature delivery speed by 40%
- Reduced build time by 60% through Node.js upgrade and webpack optimization
- Designed zero-downtime Kubernetes deployment strategy with health probes, achieving 99.6% service availability
- Implemented testing framework (Jest, Cypress) achieving 80% coverage on critical paths, preventing 12 production incidents during modernization

Full Stack Engineer, WebDev Zimbabwe, Harare, Zimbabwe
Jan 2018 — Jul 2019

- Increased developer integrations 20x (100 to 2,000 monthly) by creating plug-and-play SDKs, comprehensive documentation, and developer community forum for Paynow payment gateway
- Drove platform to 1 million transactions per month within 2 months of SDK launch, building community of 3,700+ developers
- Architected and launched online platform for Nyaradzo, Zimbabwe's largest funeral insurance provider serving tens of thousands of clients in the diaspora

Education

National Diploma In Information Technology, Mutare Polytechnic College, Mutare, Zimbabwe
Jan 2014 — Oct 2017

Graduated with 5 distinctions

Additional Information

Links: LinkedIn, WebsiteGitHub

Languages: English, Shona, Japanese