

Laurence Ekhtiari

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Highly qualified and very seasoned computer software engineer with a Bachelor of Engineering degree who has over eight years of professional experience to his credit. Proven ability to deliver quality work to large multinationals.

- * **On-Time and Successful Project Delivery:** Track record of delivering projects on time and within budget.
- * **Computer Science and Programming Skills:** Solid computer science and programming foundation, with experience in handling a wide range of technologies and languages.
- * **Analytical and Problem-Solving Skills:** Superior analytical and problem-solving skills with the ability to implement innovative solutions for complex technical issues.
- * **Teamwork and Flexibility:** An effective team player and a quick learner, who can easily learn new programming languages and technologies.
- * **Responsive and Reliable:** Extremely responsive and reliable, dedicated to maintaining the highest standards of excellence and continually producing results.

EXPERIENCE

Senior Software Engineer

Jan 2022 - Present

Whitefox Cloud Consulting / *Brisbane, QLD, Australia / Hybrid*

- Architected and engineered high-performance, enterprise-grade applications utilizing JavaScript/TypeScript (Node.js), Golang, PHP and Java, implementing cloud-native microservices with 99.9% uptime SLAs.
- Designed and implemented fault-tolerant serverless architecture for mission-critical systems, reducing operational costs by 40% while improving scalability across multiple geographic regions.
- Established comprehensive security frameworks incorporating OAuth2/OpenID Connect protocols, JWTs, and multi-factor authentication, ensuring GDPR and SOC2 compliance for international clients.
- Spearheaded cloud infrastructure transformation for Freight Tasker® transportation platform using AWS CDK and Infrastructure as Code methodologies, resulting in 60% faster deployment cycles and enhanced system reliability.
- Engineered high-throughput Golang microservices for logistics rate management, processing 50,000+ daily requests with sub-200ms response times using AWS, and event-driven architecture.
- Orchestrated containerized deployment pipelines for TruckOBM™ by Airtec® Corporation, implementing auto-scaling, predictive monitoring, and disaster recovery solutions that achieved 99.99% platform availability.
- Led development of ZO Health's comprehensive healthcare platform, architecting both mobile and web interfaces using React Native and Next.js, while implementing secure backend services with tRPC, PostgreSQL, and Docker containerization.
- Integrated third-party solutions including Clerk, Resend/Twilio, and OpenAI APIs, creating seamless user experiences while maintaining HIPAA compliance standards.
- Developed an advanced cryptocurrency/stock exchange platform for Australian fintech using TypeScript microservices, integrations with Monoova™ and CacheInvest™, implementing real-time data processing and secure transaction handling with comprehensive audit trails.
- Engineered custom GraphQL API infrastructure for Egypt's Knowledge Bank® platform, supporting 10+ million daily active requests with high availability.
- Architected and deployed scalable communication/infrastructure solutions for Whispir® Inc. and Esendex®, reducing infrastructure costs by 45% while enhancing message delivery reliability across global markets.
- Improved healthcare data standardization through contributions to HL7® FHIR®© AU Core specifications, enabling secure interoperability between previously incompatible systems for Australian healthcare providers.
- Developed a sophisticated employee work-time tracking system for Padua Solutions, incorporating real-time screen monitoring and queued data analysis to produce comprehensive and precise reports.
- Developed the Monoova WooCommerce plugin, enabling businesses to integrate Monoova as a payment platform with seamless API integration and support for various Australian payment options (Credit/Debit card, PayID/Direct Bank Transfer, PayTo).

Lead Teaching Assistant

May 2019 - Jan 2023

University of Guilan / *Rasht, Guilan, Iran / Hybrid*

- Principles of Computer & Programming (C++) | Instructor: Dr. S. M. Shekarian | Sep 2022 - Jan 2023
- Introduction to Compilers | Instructor: Dr. Farid Feyzi | Jan 2022 - Jun 2022
- Principles of Computer & Programming (C++) | Instructor: Dr. Farid Feyzi | Jan 2022 - Jun 2022
- Systems/product design and analysis | Instructor: Dr. Farid Feyzi | Sep 2021 - Jan 2022
- Advanced Programming (Java) | Instructor: Dr. Seyed Abolghasem Mirroshandel | Dec 2020 - Jul 2021
- Principles of Computer & Programming (C++) | Instructor: Dr. Farid Feyzi | Dec 2020 - Jul 2021
- Principles of Computer & Programming (C++) | Instructor: Dr. Farid Feyzi | May 2019 - Dec 2019

Freelance Software Engineer

May 2016 - Sep 2019

Freelancer / *Remote*

- Contributed to various open-source, personal, and corporate projects, demonstrating versatility across different development environments.
- Designed and developed an Instagram Data Collection Bot leveraging official APIs and advanced techniques to gather targeted data for social media marketing and business analysis.
- Implemented solutions to bypass network bandwidth limitations on cloud servers, integrating with WHMCS for parallel processing.
- Developed a GettyImages downloader using web scraping and image processing techniques, capable of downloading images up to 2K resolution.
- Created a real-time currency exchange rate monitor service with a full-feature REST API and notification service.
- Developed a string utility PHP library and an NLP helper library for text processing (available on GitHub).
- Implemented a lightweight memory monitoring tool in Node.js (available on GitHub).

IT/Infrastructure Solutions Manager

Jun 2015 - Aug 2016

Guilan University of Medical Sciences / *Rasht, Guilan, Iran / Hybrid*

- Managed IT infrastructure and solutions, ensuring smooth operation and optimal performance for university systems.

Founder & CTO

Dec 2014 - Sep 2019

Caspian Development Services / *Tehran, Iran / On-site*

- Founded and led a company providing a feature-rich, privacy-oriented, and reliable link shortening service (do0.ir) for over five years.
- Web Archive: <https://web.archive.org/web/20190809224147/http://do0.ir/>

EDUCATION

Bachelor of Engineering (B.E.) - Computer Software Technology

Sep 2019 - Jun 2024

University of Guilan, Rasht, Iran

High School Diploma - Mathematical Physics

Sep 2014 - Jun 2018

S. Beheshti High School, Rasht, Iran

SKILLS

Programming Languages: JavaScript/TypeScript, Node.js, Golang, PHP, Java, C++, Python, Bash, HTML, CSS

Frameworks & Libraries: Express.js, Vue, React, React Native, Next.js, Laravel, Wordpress, TypeORM, tRPC

Databases & Caching: SQL/NoSQL Databases, Redis

Cloud & DevOps: AWS, Docker, CI/CD, Pipelines, Terraform, AWS CLI, SAM, Serverless Framework, AWS CDK, Git, Unix/Linux, Infrastructure as Code (IaC), Kubernetes, Helm, Serverless Architecture, Containerization, Auto-scaling, Predictive Monitoring, Disaster Recovery, Event-Driven Architecture

Methodologies & Concepts: SaaS, Cloud Applications, Microservices, Agile Methodologies, TDD, Back-end Development, Full-stack Development, Automation, System Design, Real-time Data Processing, Web Scraping, Image Processing, Natural Language Processing (NLP), Networking