Bryan Alan Vargas Chávez

Software Engineer

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- ☎ +1 (253) 368-7369
- ⦿ Cuautitlan Izcalli & Huixquilucan, MX
- 🌐 Portfolio
- 🌐 Freelance

Socials

- ☐ GitHub
  bryanvrgsc
- in LinkedIn
  bryanvrgsc

Awards

Professional License
December 2024
Ministry of Public Education
License Number: 14635537
Verification

General Exit Exam for Software Engineering Degree
December 2023
CENEVAL
Document ID: 2333217381

Candidate Folio: 754020937
Verification

Outstanding Performance Recognition in EGEL
December 2023
CENEVAL
Recognition

Languages

Spanish
Native
● ● ● ● ●

English
Advanced
● ● ● ● ○

Profile

Information Systems and Technology Engineer with a comprehensive vision of the corporate technological ecosystem. I have a solid foundation in software development, infrastructure management, and data analysis. I define myself as a versatile and self-taught professional, capable of quickly adapting to new tools and methodologies according to project needs. I am looking for a position where I can contribute efficient technical solutions while continuing to expand my competencies in emerging technologies and strategic IT management.

Experience

Freelance — Mexico City, Mexico (Remote)
Independent Projects — April 2025 – Present

- Development of complete software architectures for clients and own products, specializing in mobile ecosystems (iOS) and high-performance web.
- Engineering of a gym management platform (iOS/SwiftUI) with Serverless backend, integrating secure authentication and real-time synchronization.
- Implementation of static corporate sites (SSG with Astro/Tailwind) optimized for technical SEO, speed, and security.
- Automation of business processes using bots and scripts (Node.js/Puppeteer), reducing repetitive manual tasks.

Website

KREA Construction — Seattle, WA, USA
IT Support Specialist & Technical Analyst — January 2025 - April 2025

- Development and implementation of an automated budgeting system connecting Excel with Home Depot product data, optimizing project quotation accuracy and time.
- Comprehensive IT infrastructure management: Preventive/corrective maintenance of hardware/software and network administration to ensure operational continuity.
- Technical analysis of construction projects, creating material catalogs and data-driven budgets.

Website

Vitalis AC, NGO — Madrid, Spain (Remote)
Webmaster & SysAdmin — February 2024 - December 2024

- Web Performance Optimization (WPO): Drastic reduction of load times, achieving a Largest Contentful Paint (LCP) of 1.14s, significantly improving SEO and user retention.
- Administration and update of critical servers and platforms (Moodle LMS, WordPress), ensuring data availability and security.
- Maintenance and optimization of SQL databases to support the organization's operational load.

Website

Fundación Acompaña — Mexico City, Mexico
Data Warehouse Engineer — June 2023 - December 2023

- Design of Data Warehouse consolidating 5 distinct data sources, including the normalization of disparate historical Excel records (2021-2023).
- Development of robust ETL pipelines for data cleaning and transformation, ensuring information integrity for decision making.
- Implementation of data visualization dashboards for the board, enabling identification of trends and operational KPIs.

Website

Education

Universidad Anáhuac — Bachelor's Degree • 8.9
Information Systems and Technology Engineering — December 2024

Website

Certifications

Volunteering

The Church of Jesus Christ of Latter-day Saints
January 2026 - December 2017
Salt Lake City, Utah

- Time Management and Productivity: Developed a strong work ethic working 60+ hours weekly under a self-management scheme, prioritizing daily tasks and objectives.
- Strategic Communication: Honed public speaking and negotiation skills by interacting daily with people from diverse socioeconomic backgrounds for teaching principles and values.

Website

Soft Skills

🏄 Continuous Learning Capacity
Self-taught / Fast learning curve

🧩 Problem Solving
Critical thinking / Process optimization

🤝 Leadership
Team supervision / Mentorship

💬 Effective Communication
Negotiation / Technical clarity

⇄ Adaptability
Resilience / Change management

Projects

Air Conditioning and Industrial Multiservice

- Astro 5.0 & Tailwind CSS 4.0: Development of static site (SSG) optimized for SEO and speed.
- Modern UI/UX: Responsive design with advanced animations and reusable components in TypeScript.

GitHub

Personal Portfolio
GitHub

Freelance Website
GitHub

GymApp

- iOS Architecture (SwiftUI, MVVM): Implementation of Combine and Swift Concurrency for high performance.
- Serverless Backend (Firebase/Auth0): Secure authentication and real-time NoSQL database.

GitHub

Skills

📱 Mobile Development
Swift, SwiftUI, Combine, Swift Concurrency, GCD, Core Data, Push Notifications, MVVM/Clean Architecture, Flutter

🖥 Web Development (Modern Stack)
Next.js, React, Astro v5, TypeScript, Tailwind CSS v4, Framer Motion, pnpm, Node.js, Vite, JavaScript, Web Performance (Lighthouse), Technical SEO, Accessibility (a11y), PWA, WordPress, WooCommerce, Elementor, Moodle

☰ Backend, Cloud & Identity
REST APIs, API Design, Webhooks, Serverless Architecture, Cloudflare Workers, Edge Computing, CDN Concepts, Auth0, Firebase Auth, Firestore NoSQL, Cloud Functions, Cloudflare Pages, Vercel, Formspree, reCAPTCHA, Google Cloud Storage, Hugging Face, Transformers, Diffusers

📄 Databases & Analytics
SQL, MySQL, PostgreSQL, Oracle, SQL Server, MongoDB, SQLite, Google Analytics, ETL Pipelines, Data Modeling, KPIs & Dashboards, Power BI, Pandas, NumPy, Matplotlib, Seaborn

📑 Concepts & Software Architecture
Paradigms & Fundamentals, Data Structures, Algorithms, Clean Code, SOLID, Design Patterns, Software Architecture, System Design Basics, Scalability Concepts, Caching Strategies, Modular Monolith, Inference Optimization, Tensors

☷ Testing & Quality
Unit Testing, Integration Testing, UI Testing, XCTest, Jest, Vitest

🛡 Security
OAuth 2.0, OpenID Connect, JWT, OWASP Top 10, Security Headers (CSP and HSTS)

⚙ DevOps
GitHub Actions, CI/CD Pipelines, Docker, Docker Compose, Env Variables & Secrets, Nginx, Conda, Pip

🔧 Engineering Practices
Technical Documentation, API Documentation, Agile / Scrum

⌨ Languages, Tools & Environment
Python, Java, C/C++, PHP, Bash, zsh, Dart, Git, WP-CLI, VBA, OOP Programming, Regex, Make, HTML5, Markdown, XML, LaTeX, Librosa, SciPy, PyTorch, Torchaudio, FFmpeg, YAML, TOML

☁ Infrastructure, Networking & Virtualization
Cisco CCNA, VMware, Hyper-V, Active Directory, CUDA, Metal MPS

💡 Design & Creativity
Photoshop, Illustrator, Premiere Pro, Adobe XD, Lightroom, Generative AI