

Software Engineer

Leverage Software Technical Expertise, Leadership Skills, and Technology Solutions to Resolve Real-World Problems

Full-stack software engineer and certified Scrum Master with proven experience building advanced cloud-based applications to optimize efficiency, performance, and quality. Entrepreneurial and software architecture expertise. Lead cross-functional agile teams in establishing business objectives and delivering value-driven solutions via effective communication and interpersonal skills, time management, and attention to detail. Data Scientist with track record for saving costs and time through automation.

**Mobile Application Development | Backend and API Development | Frontend and Web Design | Testing and Troubleshooting
System Design and Documentation | Coding Standards | Data Analysis | Continuous Improvement | Process Optimization
Project Management | DevOps | Cloud | CI / CD Pipeline Design | Machine Learning | Research and Development | Reporting**

Technical Applications, Tools, and Methodologies

API:	C# (.Net Core, LINQ), TypeScript, Postman, Swagger, SQL Queries
Mobil Apps and Web:	Angular, Ionic (TypeScript / JavaScript, HTML, CSS), React, React Native
Machine Learning and Data Analysis:	Python, TensorFlow, OpenCV, Keras, Power-Bi, Python, MATLAB
Cloud Services:	Azure (App Services, Functions, Service Bus, Logic Apps), AWS
Automation and Containerization:	Ansible, Microsoft Flow, Docker, Kubernetes
Software Development Methodology:	Agile (SAFe), SCRUM, Azure DevOps
Scripting Language:	Powershell, Bash, Git Version Control
Frameworks:	MVC, N-Tier API Architecture, REST API
Hardware:	Verilog, Arduino, Raspberry Pi, Pixy Camera, Servomotors, 3D Printing, Laser Cutting
Other Applications:	Adobe Photoshop, AutoCAD, PSCAD, Simulink, NI Multism, X86, Microsoft's Assembly Language, Muse, MASM, PSPICE, MPLAB, Microsoft Office (Word, Excel, PowerPoint)

Select Achievements

- Won Chevron Data Science competition for designing the best model for reducing offshore drilling costs based on daily penetration rate.
- Mentored digital transformation upstream drilling engineers on instructing data science, demonstrating a strong knowledge about digital innovation as well as strong business acumen.
- Selected participant / graduate from Chevron's 9-month Data Science Development program.
- Hired over 30 university graduates as technician recruiter / member of the Chevron recruiting team.
- Completed highly complex technical projects for Chevron, driving optimization of efficiency, performance, and quality.

Professional Experience

CHEVRON, San Ramon, CA

2017 - 2021

Software Engineer - Full Stack (DS&C IT Operations - Mobility)

2019 - 2021

Designed, developed, tested, debugged, delivered, and supported numerous mobile apps, including ground up, as a developer, team architect, technical lead, and scrum master. Collaborated with clients to develop feature design and software specifications. Engaged with product owners and stakeholders throughout software development life cycle while adhering to an agile framework and securing the project budget. Built apps with Ionic / Angular, and backend development with Net Core framework and SQL database; hosted on Azure Cloud; and delivered to customers as Android, iOS, Windows, and Web applications.

Toolkit App (B2B App)

- Developed a mobile app for refinery engineers, enabling a map system to navigate through refineries, convert engineering CAD models to printable formats, and build a digital vault for each business unit for frequently used digital tools, along with other features.
 - Served as lead software engineer and key business point of contact while overseeing 4 other software engineers.
 - Reported saving of 1.5K+ hours per year, amounting to a \$270K+ savings (Richmond refinery BUs) at 1 refinery.
 - Created Ansible pipelines and playbooks to automate backend deployments on Azure Cloud for staging, production, and development environments.
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CHEVRON (Continued)Chevron App (Available on [Google](#) and [Apple Store](#) [hyperlinked])

- Utilized Ansible and Azure DevOps framework to create automation deployment pipelines, increasing accuracy and efficiency.
- Created Ansible playbooks to automate monitoring and alerting, maximizing system uptime and availability.
- Developed automation process to reduce deployment window 25%, saving developers time.
- Led Chevron and Texaco apps' support team through development, deployment, and maintenance and coordinated third-party efforts (PayPal, Stuzo), ensuring an enhanced user experience for 500K+ users (\$2.5M in revenue).
- Adhered to 100% of Service Level Agreements (SLAs) by building trust and confidence among support teams and users.
- Facilitated Ansible learning sessions by creating reusable playbooks with zero downtime strategies for 75-participant Downstream and Chemical organization, leading to adoption by other Chevron groups and best practice recognition.

Terminal Checking-V2 (B2B App)

- Created a customized mobile application's back-end system (API) and a front-end admin portal, increasing app usage and uptake 300% or more.
- Designed and developed a multi-layer API for features using C#, LINQ, and CRUD on a REST API, with design features such as object linking, item ownership, object linking, and sync servers.
- Established deployment pipelines.

Starlims Mobile App (B2B App)

- Developed a customized Starlim app to allow refinery laboratory technicians to conduct lab results and an automated laboratory work review process.
- Designed and developed a multi-layer API for features using C#, LINQ, and CRUD on a REST API, with design features such as object linking, item ownership, object linking, and sync servers.

Mentor - Data Science**2020**

Facilitated weekly 1-on-1 customized data science and machine learning technology training. Coached colleagues on creatively solving future challenges.

- Tracked mentee progress / performance against specified parameters for seamless knowledge transfer.
- Completed program objectives while working an 8-hour shift and delivering dozens of responsibilities / reports on tight deadlines.

Data Engineer / IT Management Analyst**2017 - 2019**

Data engineer / F5 security developer for MCPIM handling load balancing, network security, and creating custom jobs for Documentum and D2 servers. Resolved high-complexity issues and implemented technological improvements that increased system performance and efficiency. Managed 13 environments for worldwide mission-critical application system (GDS/D2) that operated in 4 geolocations.

- Built Power-BI visualization dashboards for MCPIM management and leadership team, allowing monthly and yearly performance monitoring system for 50-member operations team.
- Developed and maintained data visualization infrastructure, ITSM data-freeing system jobs from remedy data, SSIS packaging system, and associated databases for IMA business unit.
- Engineered first D2 application project (POC) in Azure cloud, using IAAS technology.
- Containerized D2 (Documentum Application's front end), using automated Azure DevOps pipeline and Kubernetes container orchestration tool to establish production environments faster for new business units.

Additional Experience**SACRAMENTO STATE UNIVERSITY**, Sacramento, CA | **Teacher Assistant - Power System Relay Protection**

2017 - 2018

ACS ENGINEERING, Irvine, CA | **Intern - Controls Engineer**

2015

INTEL CORPORATION, Folsom, CA | **Intern**

2013

Education and Credentials

- **Bachelor of Science (BS)**, Electrical Engineering, Electronics and Power Generation, California State University, Sacramento, CA (GPA: 3.75 / 4.0), 2017
- Certified Scrum Master (CSM), Scrum Alliance (Credential ID 1094441), 2019
- Certification as an Engineer-in-Training (EIT), Electrical and Computer Engineering, 2017

Entrepreneurial Experience

TROFI (Greek for Food; <https://Trofiapp.com>), Sacramento, CA | **CEO and Founder - FULL STACK** (Personal Project) 2021 - Present
Spearhead startup project to expand peer-to-peer home kitchen connections through social network in mobile app.