Alex Derafshan

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Results-driven IT leader with over 30 years of experience in designing, implementing, and managing complex technology solutions for Fortune 1000 companies. Adept at aligning IT strategy with business goals, driving organizational change, and managing large-scale programs and projects. Recognized for building high-performance teams, developing talent, and promoting a culture of collaboration and accountability. Proven track record of delivering measurable value through technology investments and driving digital transformation initiatives. Holds 23 Patents in Cloud, Data, Observability, Infrastructure Automation, and IoT.

IT transformation through implementation of Cloud, Data, IoT, and Cyber Security with business alignment, implementing best-in-class IT cost performance solutions. Diverse industry experience includes Finance, Healthcare, Networking, Software, Security, Technology, Professional services, and Manufacturing.

# Experience

*Lunar Energy, Mt View, CA*

Head of IT and INfoSec 05/2020 – Present

Leading a multidisciplinary IT Infra, Security and DevOPS team responsible for network infrastructure, Manufacturing and Engineering Applications with cross-functional departments to identify technology opportunities and implement solutions that enhance operational efficiency and customer experience.

* Oversee the development and management of IT budgets, ensuring optimal resource allocation and cost-effective technology investments.
* Drive continuous improvement initiatives to streamline processes, optimize system performance, and strengthen data security measures.
* Provide leadership in the evaluation, selection, and implementation of emerging technologies, such as AI, IoT, and blockchain, to drive innovation and maintain Lunar Energy's competitive edge.
* Cloud Computing (AWS/Azure)
* NetSuite, Workday, ServiceNow, Salesforce
* Agile Software Development & Project Management
* Vendor Management
* Budgeting and Resource Allocation

*Kaiser Permanente, San Francisco, CA*

**Sr. Director - DevOps, SRE, Infra, and Data Integration 03/2020 – 8/2022**

Responsible for the release management, DevOps, infrastructure, data integration, and database engineering for the $1 billion transformation of the KP Membership Connect SaaS platform.

* Established metrics, KPIs, and SLAs to drive performance and ensure optimal service delivery for 29 million members and 50 million users.
* Built and managed a cloud infrastructure and DevOps team of 92, supporting 850+ monthly deployments.
* Implemented Kafka platform and Oracle Golden Gate supporting 400+ integrations.
* Developed an extensive observability platform with ELK, Splunk, and Dynatrace.
* Built edge infrastructure for other KP services, enabling seamless communication between group members, labs, insurers, and labs.
* Successfully deployed services to IBM Cloud, Oracle Cloud, and Azure.
* Established a comprehensive security infrastructure encompassing firewall, IPS/IDS, VPN, endpoint security, and compliance.

*JUUL Labs, San Francisco, CA*

**Vice President (Chief Architect) - Cloud and Data Infrastructure 11/2018 – 1/1/2020**

Responsible for the development of global infrastructure strategy, architecture, service delivery standards, and procedures for the enterprise.

* Built and managed an IT infrastructure team of 29, supporting company growth from 700 to 5,400 employees in 11 months.
* Designed and implemented automation platforms for user onboarding, accounts payable, and billing.
* Supported Juul's revenue growth from $700 million to $3.4 billion.
* Developed edge infrastructure and IoT platform for 11 manufacturing sites globally.
* Deployed SAP ERP and MRP at AWS.
* Built DevOps and SRE organization to support IT, eCommerce SaaS product, and manufacturing.
* Implemented multi-cloud development, data, and IoT infrastructure with AWS, GCP, Azure, and regional data centers.
* Built and managed IT Service desk team.
* Established a comprehensive security infrastructure encompassing firewall, IPS/IDS, VPN, endpoint security, and compliance.

RiskAnalytiX, Sunnyvale, CA

**CTO and Cofounder 11/2017 – 2/2020**

Developed RiskAnalytiX's overall technology strategy and software architecture.

* Built the engineering and product management team of 35.
* Designed the data ingestion and analytics platform for the SaaS-based security and risk management platform, supporting 25,000 devices and applications.
* Developed unique, proprietary, patentable intellectual property for competitive advantage.
* Aligned technology development plans with business goals.
* Managed a technical team and implemented SaaS Cloud infrastructure.
* Incorporated customer feedback into product development.
* Defined quality assurance, security, compliance, and data protection processes.
* Managed projects within target KPIs, timelines, and budgets.

Microsoft Azure, Redmond, WA

**Sr. Director – Digital Transformation, Global 50s 01/2016 - 11/2017**

* Led the digital transformation strategy for Global 50 companies.
* Designed and implemented solutions in big data, machine learning, IoT, cyber security, and cloud.
* Collaborated with portfolio companies, including Juniper Networks, Adobe, Flex, Jabil, Cisco, Intel, Wells Fargo, Visa, Kaiser, and Sutter Health Security.
* Delivered significant improvements in threat detection, manufacturing defect tracking, solar energy output, and cost savings for Intel security.
* Improved X-ray injury detection time from 8 days to 15 minutes.

NubLaaS, Menlo Park, CA

**CEO and Co-founder 10/2012 - 01/2016**

* Built a SaaS cloud management platform for SMBs.
* Intuit, Menlo Park, CA
* Head of Cloud and Data Platforms
* 08/2008 - 10/2012
* Led the engineering of Intuit's cloud platform, supporting TurboTax, QuickBooks, QuickBase, and Mint, serving 170 million users across 170+ applications.
* Filed 23 patents on cloud and big data.
* Consolidated data centers, reducing costs by $32 million annually.
* Managed technology vendors, resulting in significant annual savings.
* Built a big data platform with shared Hadoop and Cassandra infrastructure.
* Automated data lifecycle processes, significantly reducing database provisioning time.

Intuit, Menlo Park, CA

**Head of Cloud and Data Platform Engineering 08/2008 -10/2012**

Responsible for Engineering Cloud Platform; lead, evangelize, design and build Intuit Cloud Platform to help scale company’s digital technologies and Mobile applications.

* Lead the development and building reusable and scalable services to support Intuit SaaS products including TurboTax, QuickBooks, QuickBase and Mint supporting 170Mil users across 170+ applications.
* Filed for 23 patents on cloud and big data –
* Managed team of 35 SW Engineers and SRE staff –
* Built Intuit’s Cloud Platform (Pharos) providing integrated Public/Private Cloud services through self-service portal.
* Consolidated 28 Data centers by building 2 new data centers in Quincy WA and Las Vegas reducing cost of DCs by $32 Mil annually.
* Managed key technology vendors worked on product roadmaps and contract negotiations resulting in average savings 20% annually.
* Built Big Data platform with shared Hadoop and Cassandra infrastructure by all BU’s and data scientists across the company eliminating 18 costly tools
* Automated all aspects of Data life cycles; Provision, Manage, Operate, Upgrade, Integrate for Oracle, MySQL, SQL Server, Hadoop, MongoDB reducing average database provisioning from 1.5 months to 45 Minutes

# Prior roles

Broadcom

**Sr. IT Director 2004 – 2008**

Checkpoint

**Director of Engineering 2000 – 2004**

IBM Rational

**IT Director 1995 – 2000**

Cirrus Logic

**IT Manager 1990 – 1995**

Technical Advisory, Investor Portfolio

Pump, WebFiling, ClickDx (Visby), UserTesting, MailBoxNearby, xMail, CoSine, ZoneLabs, OpenCloud, Rubrik, Nutanix, Actifio, Delphix, Theranos, Complete Genomics, Microsoft and Stanford Incubators, The Loops, Cavenu, AirGap, Lunar Energy, WineShipping, ShippingX, DuettoCloud, Evolve Energy, PREALIZE Health, Lunar Energy, Denali Therapeutics, Versic, MalwareBytes, Wiz, Okta, Zoom, Vanta, Kandji,

# EDUCATION

BS Computer Science

San Francisco State University

SKILLS

* IT Strategy Development and Execution
* Digital Transformation
* Cloud Computing
* Data Analytics
* Project and Program Management
* IT Operations Management
* IT Service Management (ITIL)
* Security and Compliance
* Vendor Management
* Budget and Financial Management
* Leadership and Talent Development
* Collaboration and Communication

TECHNOLOGIES

Site Reliability, Infrastructure, Venture Capital, Collaboration, Innovation, Networking, Application Development, Business Process, PKI, Infrastructure Modernization, Manufacturing Infrastructure, Security and Risk Analytics, Data As A Service, Microsoft AD, Anomaly Detection, ITIL, Service Desk, CMDB, NAC, Digital Transformation, Negotiations, Monitoring, Product Development, Data Center, DevOps, DevSecOps, Integration, RPA, Big Data, Platforms Strategy, Agile, AR/VR, IT Transformation, Cloud Governance, Machine Learning, Budget, Firewalls, LAN, WiFi, SD WAN, VMWARE, AI, Data Pipelines, Deep Learning, M&A, Smart Cities, Clean Energy, Healthcare, Office 365, GSuite, App Store, OpenStack, Analytics Operations, SIEM, SSO, MongoDB, Python, Kafka, Azure, GCP, AWS, BOTs, PKI, BCP, DR, NLP, IoT