Sam Ayoub

**Founder / Director / Senior Principal Software Architect / Senior Principal Software Engineer**

San Diego, California, United States

samsayoub@outlook.com

+1 352 575 5665

[linkedin.com/in/samelayyoub](https://www.linkedin.com/in/samelayyoub)

### Summary

Experienced in managing, designing, reviewing designs, maintaining applications, making recommendations, training less experienced engineers, solving technical issues, minimizing risks, and ensuring tasks are completed on time. Possesses excellent programming skills, leadership, project management, attention to detail, strong communication and interpersonal abilities, and problem-solving orientation.

### Education

Keller Graduate School of Management of DeVry University, Master's Degree in General Business Administration and Management, 2013 - 2014

New York Institute of Technology, Bachelor's Degree in Computer Science, 2008 - 2012

[**Summary 1**](#_cou807fkzp4q)

[**Education 1**](#_lzsjvw2bb8wu)

[**Management and Leadership Skills 2**](#_7tpfb2pro62t)

[**Technical Skills 2**](#_xwxepqyr3q3a)

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### Management and Leadership Skills

As a Senior Principal Software Engineer/Architect, I have demonstrated a range of valuable management skills, including

* Leadership: led and managed teams, trained less experienced engineers, and taken charge of complex projects.
* Project management: I have a track record of completing projects on time and within budget while maintaining high-quality standards.
* Attention to detail: a keen eye for detail and accuracy, ensuring that all projects and tasks are completed to the highest standards.
* Communication and interpersonal abilities: strong communication skills and can work effectively with diverse teams, stakeholders, and clients.
* Problem-solving orientation: I am adept at identifying and solving technical issues, minimizing risks, and making recommendations to improve processes and outcomes.

### Technical Skills

* API design and development using RESTful APIs, SOAP APIs, and GraphQL APIs
* Experience with JSON data formats and parsing
* Proficient in Bash scripting and Shell scripting for automation and task management
* Network administration and troubleshooting including TCP/IP, DNS, DHCP, and VPN
* Integration of various systems and services using tools such as Zapier, IFTTT, and Workato
* Experience with React Native for cross-platform mobile app development
* Proficient in Figma for designing and prototyping user interfaces
* Experience with NodeJS and popular frameworks such as Express and NestJS
* Proficient in VueJs and ReactJS for building responsive user interfaces and web applications
* Experience with PHP and popular frameworks such as Laravel and Symfony
* Cloud computing experience with Amazon Web Services (AWS) and Microsoft Azure
* Experience with XML data formats and parsing
* Automation experience with tools such as Jenkins and Ansible
* Experience with Docker for containerization and container orchestration with Kube
* UX/UI design and development with a focus on creating engaging user experiences
* Management of technical teams and projects with a focus on delivering quality solutions on time and within budget
* Architectural solutions design and development with a focus on scalability and availability of systems and services
* Experience with Agile methodologies such as Scrum and Kanban
* SEO optimization for improving a website and application visibility and ranking
* Troubleshooting technical issues and providing effective solutions
* Requirements analysis and gathering for effective project planning and execution
* Atomic strategies development for efficient code and system maintenance
* Platform modularization for scalability, flexibility, and ease of maintenance.

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### Experience

**API Tech Lead / UI/X Architect**

**Sr. Principal Software Engineer**

**Silicon Valley Bank, USA**

**Sep 2022 - Present**

* Led the design and implementation of a new cloud-based architecture with high availability and scalability enhancements for APIs, using AWS and GitLab.
* Converted CMS into React and GitLab base for Content Management.
* Developed a new ReactJS/Native Architecture with offline ability to serve APIs.
* Built a new React-based Open and AsyncAPI render with enhanced performance and features to cover direct object JSON base specifications.
* Designed a new architecture for 30+ Atomics, Organisms, Molecules, and Layouts for different reusability modernized frameworks structure.
* Introduced a component-based solution for different user interfaces and experiences.
* Architected new automated containerized cloud-based solutions for different applications.
* Led and designed new UI/UX with the highest values possible.

**API Tech Experience Lead**

**Principal Software Engineer**

**Silicon Valley Bank, USA**

**Jul 2020 - Sep 2022**

* Led software development, enhancement, and 3rd party software integration projects and managed larger less-complex software projects and multiple components of larger, more complex software solutions.
* Managed detailed work plans and projected schedules and ensured project outcomes successfully meet client expectations.
* Designed API software programs adhering to company processes and protocols and led the API portal team, tooling, and continuous integration engineers.
* Architected and built a multi-organization system solution to connect one portal to multiple apogee's planets, organizations, and environments.
* Architected and built custom multi-contract render using ReactJs base, which supports Asyn and Open API contracts.
* Introduced Dynamic OpenAPI multi-specifications try-it-out using links between specs.
* Architected and built the solutions of business and technical documentation of each product API, and solved the problem of internal vs external aspects of a contract specifications access and servers for the try-it-out feature.
* Architected and led the Cloud solution of multi-environment SDLC and solved the containerized local environments and unified codes development structure using Docker and DDKits open source.
* Introduced, architected, and led moving portal into a headless platform, including double solution architect with some full and semi-decoupling features of UI frameworks depending on needs.

**Software Architect**

**Achieve Internet, USA**

**Mar 2019 - Mar 2020**

* Developed cloud security strategies, monitored security systems and software
* Participated in the continuous efforts to improve the design and architecture of our Cloud offering
* Set up and maintained various services and support tools, primarily on AWS, as well as on other cloud providers such as GCP, AWS, and Azure
* Mentored developers (interns to leads) in software development processes and handled large-scale projects

**Senior Lead Software Engineer**

**Aira, USA**

**Nov 2017 - Dec 2018**

* Managed and designed automation development life-cycle for multiple projects using Travis, Jenkins, and CircleCI
* Created full architecture for 3 projects with different functional teams
* Trained Marketing and Sales teams on Search Engine Optimization (SEO) using HubSpot and Google Analytics
* Built secure connections from external clouds to Amazon Web Services (AWS)
* Created Aira Access web app using MapBox and WordPress

**Senior Lead Developer / Senior Software Engineer,**

**Outsell inc, USA**

**Dec 2015 - Apr 2018**

* Led and managed multiple teams in different countries and time zones, using Jira and Zenhub to build Outsell OSdata platform, using Laravel.
* Developed OSdata API to share data from 100k+ companies over various platforms and communities.
* Led teams to rebuild Outsell portal platform and community on Drupal 7.
* Led and managed Outsell Analysts platform "OSEditors" to perform and support all necessary features and create better UI as needed.
* Led and managed the new Outsell SSO "Single Sign-On" using Auth0 and a custom module on different platforms.
* Designed and executed A/B testing using Marketo, Salesforce, and Google Analytics, then communicated the results to the CTO and the marketing team.
* Provided support for Outsell’s clients to help them get the maximum benefit from our community and services.
* Assisted Outsell sales, analysts, and marketing teams.

**Senior PHP Developer**

**RUCKUS Networks**

**Mar 2015 - Oct 2015**

**Senior Web Developer (Remote/Contractor)**

**Platinum Enterprise Solutions, Inc., USA**

**Dec 2014 - Mar 2015**

**Information Technology Manager**

**VirginFields, TX, USA**

**Sep 2012 - Dec 2014**

**IT Technical Web Support**

**New York Institute of Technology, Jordan**

**Jan 2010 - Mar 2012**

**PHP Developer**

**Omni Care Insurance, Jordan**

**Jan 2007 - Dec 2009**

**IT Technical Support**

**BMC, Jordan**

**Jan 2003 - Dec 2006**

### Portfolio

**Real Estate Virtual World** - revwgame.com 2022

**AvStructure LLC** - avstructure.com 2021

**API Document Pro** – ApiDocPro.com 2019

**Flying Astronaut** - IOS / Android game 2019

**Flying Eagle** - IOS / Android game 2019

**Real Lexi the real word** - Reallexi.com 2016

**Mawajez News** - mawajez.com 2008

### Open-source projects

**Docker Proxy System for developers** - Ddkits.com 2015

**APIDocPro UI Render for Async, swagger, and Open APIs** - ui.apidocpro.com 2021

**Drupal Core Contributor** - Drupal.org 2003

**Laravel Core Contributor** - Packigest.org 2011

### Licenses & Certifications

**Meta Front end advanced developer of Meta**, **Meta** GV6ATL53CJ33

**API Design and Fundamentals of Google Cloud's Apigee API Platform (with Honors)** NJWHRERCFTPS

**API Development on Google Cloud's Apigee API Platform (with Honors)** 8FH5AUYFBQAA

**API Security on Google Cloud's Apigee API Platform (with Honors)** DPM69MSUHVAA

**Developing APIs with Google Cloud's Apigee API Platform Specialization** PH4VC9TU4U87

**Google Cloud Platform Fundamentals: Core Infrastructure** GQ3WTR9ARBHL

**Essential Cloud Infrastructure: Foundation** XJ4KBEYC4P9M

**Responsive Website Basics: Code with HTML, CSS, and JavaScript, University of London** CDVXP7PTXVU9

**Essential Cloud Infrastructure: Core Services** G929SZ87ZVEC

**Elastic Cloud Infrastructure: Scaling and Automation** EPVVQF35D93Z

**Docker Certified Associate, Whizlabs**

**AWS Certified Solutions Architect Associate, Whizlabs**

**Continuous Delivery & DevOps, the University of Virginia** CFD5TH38WDDX

**AWS Fundamentals: Going Cloud-Native, Amazon Web Services (AWS)** 6DGUUK9Q2QCW

**AWS Fundamentals: Addressing Security Risk** - **Amazon Web Services (AWS)** PJJZ3BMX4KQU

**AWS Fundamentals: Migrating to the Cloud, Amazon Web Services (AWS)** XNHHN4G2CWRG

**AWS Fundamentals: Building Serverless Applications, Amazon Web Services (AWS)** FU8D7TUPX32E

**AWS Fundamentals Specialization,** **Amazon Web Services (AWS)** 7RP2LNUGK9L6

**Veracode Security Labs Champion Level 2,** **Veracode** 1e09b3d0b2