Artak Vardanyan

Senior Engineer | DevOps - AWS, GCP, Kubernetes, CI/CD | Web3 - Typescript, Move, Rust
✉ artakvg@gmail.com ⚫ github.com/artakvg 🔗 linkedin.com/in/artakvardanyan @artak_vardanyan

🐱 Web3 Developer — Solana, Sui (Rust · Move · JS)

Privasui · privasui.xyz
Mar 2025 – Present · 4 mos

- Designed and implemented core smart contracts in Move for Privasui, fully on-chain end-to-end encrypted private messenger
- Developed piNS, a username-as-NFT identity system, and piX - an on-chain X
- Architected secure key management and message stream systems using dynamic fields, shared/owned objects, and advanced access control patterns in Move
- Engineered privacy-by-design mechanisms through immutable message objects and encrypted payload handling, ensuring secure, verifiable communication
- Built internal tools and scripts for automating object deployment, testing transaction flows

Sui Move Language Walrus TypeScript

🛠️ Engineering Manager

Dooqod · dooqod.com · Full-time
Sep 2022 – Jan 2025 · 2 yrs 5 mos · Delaware, US

- Leading backend and DevOps teams in building scalable, browser-based environments with dynamic infrastructure provisioning
- Architected a microservices platform deployed via Amazon EKS, with GitHub Actions and Helm-driven CI/CD pipelines
- Managed backend systems built in TypeScript, Express.js, and Apollo GraphQL to support reliable APIs for end users
- Designed automated cloud provisioning of EC2-based VMs with custom OS setups to support in-browser virtual environments
- Integrated Jitsi for video conferencing with dynamic autoscaling on Kubernetes, transitioning from custom AWS autoscalers to Karpenter
- Deployed and maintained GitOps workflows using Argo CD and custom deployment operators

Amazon EKS Kubernetes Continuous Integration and Continuous Delivery (CI/CD) Helm Charts TypeScript Express.js Apollo GraphQL
Zeronode MongoDB Redis AWS Auto Scaling Karpenter Kyverno ArgoCD

⚙️ DevOps Lead

Block Nerds · blocknerds.io · Contract
Jan 2021 – Sep 2022 · 1 yr 9 mos

- Designed and maintained Kubernetes clusters on Amazon EKS for scalable microservices infrastructure
- Implemented robust CI/CD pipelines using GitHub Actions and GitLab CI, enabling fast and secure deployments
- Managed Helm charts for service configuration and deployment consistency across staging and production
- Collaborated with backend teams (Rust, TypeScript) to containerize services and optimize performance in cloud-native environments
- Streamlined integration of Apollo GraphQL services and monitored performance using custom metrics and logging stacks
- Built Kafka-based event-driven infrastructure to support real-time data pipelines and inter-service communication

Amazon EKS Kubernetes Continuous Integration and Continuous Delivery (CI/CD) Helm Charts Rust TypeScript Apollo GraphQL
Apache Kafka AWS Lambda

🧠 Chief Technology Officer

Heropa · heropa.com

Mar 2017 – May 2019 · 2 yrs 3 mos

- Joined as a backend developer and quickly advanced to CTO, leading the full transformation of the platform
- Architected and led development of a modern React-based frontend and microservices-based backend with a GraphQL gateway
- Oversaw AWS and Azure integrations, and implemented support for multiple LMS platforms (Moodle, Litmos, Docebo)
- Enabled in-browser RDP and other advanced features for seamless user experiences
- Led the smooth migration from a legacy "Skytap" monolithic system to a modular, scalable architecture

TypeScript Express.js Zeronode Node.js AWS CloudFormation MongoDB Amazon Web Services (AWS) Nginx

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👷 Lead Software Engineer

Steadfast.tech · steadfast.tech

Aug 2016 – Mar 2017 · 8 mos

- Designed and implemented scalable REST APIs, GraphQL APIs and backend microservices
- Led integration of key systems including payments, notifications, and A/B testing platforms
- Co-authored Zeronode, a microservice framework built on top of ZeroMQ for distributed systems

Amazon Web Services (AWS) Docker TypeScript Express.js Apollo GraphQL Zeronode Vault MongoDB Redis Terraform
Nginx

🚀 Co-founder, Lead Software Engineer

Forkize · Full-time

Jun 2014 – Aug 2016 · 2 yrs 3 mos

- Engineered scalable and high-throughput RESTful APIs to support core platform functionality
- Built and maintained backend microservices for scheduled tasks and batch operations (email delivery, push notifications, reporting, failover handling)
- Designed ETL pipelines to process user clickstream and historical data at scale
- Integrated data-driven personalization and analytics features to enhance user experience and engagement

Node.js Express.js Apache Kafka Apache ZooKeeper PostgreSQL Vagrant HashiCorp Vault Socket.io Aerospike Lua

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💻 Full Stack Senior Engineer

Gignut

Jan 2012 – Jun 2014 · 2 yrs 6 mos

- Developed core ERP and CRM system components with full-stack responsibility
- Built RESTful and real-time APIs, including live chat solutions using WebSockets
- Implemented BI reporting and analytics pipelines on Apache Cassandra
- Set up infrastructure monitoring and performance dashboards using Grafana and InfluxDB

Express.js   Node.js   MongoDB   Redis   Socket.io   Cassandra   Grafana

🎮 Full Stack Game Developer

Plexonic · plexonic.com

Nov 2010 – Jan 2012 · 1 yr 3 mos · Yerevan, Armenia

● Developed casual and social games for web and mobile platforms
● Built RESTful APIs to support game logic and backend services
● Integrated social platform APIs (e.g., Facebook) and mobile advertising networks

ActionScript   PHP   PostgreSQL   jQuery

🖥 Mid .NET Developer

Energize Global Services · energizeglobal.com

Sep 2008 – Nov 2010 · 2 yrs 3 mos · Yerevan, Armenia

● Develop and maintain Right Now CX CRM (acquired by Oracle in 2011)

C#   ASP.NET   ASP.NET MVC   JavaScript