Hosein Emrani

Senior Software Engineer

Dublin, Ireland

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Skills:

Scala, Go, JavaScript (TypeScript, Node.js, React, Angular), AWS, GCP, Kubernetes, CI/CD, Kafka, Terraform
System Design & Architecture, Cross Team Communication, Problem Solving, Critical Thinking, Attention to Details

Recent Experiences:

Senior Software Engineer at Nitro

May 2021 - Present / Dublin, Ireland

Fostered cross-team collaboration to architect and implement a cutting-edge document processing platform from the ground up, successfully managing and modifying documents at scale, catering to hundreds of thousands of daily requests.

Engineered event-driven systems and introduced new microservices to strategically refactor a legacy monolith, resulting in enhanced system security and responsiveness.

Led the conceptualization and execution of new services aimed at advancing authorization protocols and streamlining document access and sharing processes.

Innovatively designed and developed a PCI-compliant payment gateway flow by integrating our internal customer subscription service with third-party platforms like Stripe. Effectively coordinated communication channels between sales, product, and security teams to ensure a smooth integration process.

Implemented comprehensive monitoring and alerting integrations across microservices, AWS Lambda functions, and web applications, fortifying the system's stability and enabling proactive issue resolution.

Tech Stack: Scala, Go, Node.js, Angular, AWS, Kubernetes, Datadog, Amazon SQS, DynamoDb, Argo CD, Kafka

Software Engineer at Aylien (Quantexa News Intelligence)

November 2016 - April 2021 / Dublin, Ireland

Engineered a highly scalable pipeline to replace an array of legacy systems, resulting in a substantial reduction in infrastructure, engineering, and maintenance costs.

Innovatively designed and implemented a JSON syntax for advanced search across millions of news articles, enhancing the efficiency and effectiveness of information retrieval.

Orchestrated the creation of indexing/reindexing scenarios and pipelines capable of processing 1.5 million news articles daily, ensuring timely and accurate content updates.

Pioneered the establishment of canary deployment pipelines, enabling meticulous testing of services both individually and in combination on a canary pipeline.

Developed comprehensive unit and integration test scenarios, elevating the production readiness of new microservices during the migration from legacy systems to the revamped, scalable content processing pipeline.

Undertook platform and infrastructure maintenance responsibilities, ensuring the seamless operation of critical systems.

Facilitated effective communication among diverse stakeholders throughout the migration process, actively contributing to product improvements and the addition of new features.

Designed and implemented the company's marketing website, developer portals, documentation, and executed successful marketing campaigns.

Crafted various React applications to showcase APIs, providing valuable tools for the sales and marketing teams.

Led the technical design and implementation of Aylien's risk analytics web app using React & Next.js.

Tech Stack: Scala, Go, Python, Akka, GCP, BigTable, Elasticsearch, PubSub, BigQuery, Istio, Kubernetes, Jenkins, Terraform, HTML5, SCSS, JavaScript, React, Next Js, Redux, Nodejs, etc.

Education:

BSc of Software Engineering at K.N.Toosi University of Technology

September 2013 - December 2017 / Tehran