Aman Ghrera

San Jose, CA 🏠

aghrera@gmail.com ✉

www.linkedin.com/in/aghrera 🔗

An experienced Software Engineer and Architect with a strong background in designing, developing, and optimizing software solutions. Architected and developed many distributed, high-traffic services, APIs and web applications.

Skills

System Architecture & Design • REST, GraphQL, AWS, Java, Spring, NodeJs, Python, SQL, MongoDB, React, React Native, Machine Learning, RabbitMQ, Kafka, Docker, Agile process• Leading Teams • Hands-on full stack engineer and architect

Education

JULY 2003

Master of Technology, Indian Institute of Technology, Madras, India
Bachelor of Technology, Indian Institute of Technology, Madras, India

Experience

NOV 2016 - CURRENT

Member of Technical Staff 2/ PayPal Inc, San Jose, CA
- Collaborate across multiple PayPal domains and subsidiaries, teams and geographies to deliver successful products and features.
- Designed REST APIs, GraphQL APIs and distributed services using Kafka and batch processes.
- Designed critical services handling over 10 billion requests per day.
- Developed Identity solutions based on industry-standard protocols such as OAuth 2.0, OpenID Connect, RBAC and SCIM.
- Led multiple teams between 5-15 developers, responsible for timely, high-quality product releases.
- Managed the integration of PayPal subsidiaries like Venmo, Xoom, Zettle, and Braintree with PayPal.
- Converted a legacy C++ monolith to Java REST microservices using Spring and RxJava.
- Technologies – REST, GraphQL, Java, Node.js, GraphQL, RxJava, Spring, OAuth, SCIM, SQL, Oracle, Grafana, Splunk, Kafka, DevOps, Python, CI/CD, Jenkins, Teradata, Google Bigquery, Terraform

APR 2015 – NOV 2016

Senior Staff Software Engineer/ Gigamon Inc, Santa Clara, CA
- Responsible for the design and architecture of critical parts of Gigamon's device management interface.
- Designed and developed REST APIs for managing network visibility appliances.
- Built a cloud solution for network visibility for AWS.
- Designed a solution for capture, storage, and an analysis of high-volume network traffic using Postgres and nfcapd.
- Added custom features to an open-source product nfcapd.

- Used Elasticsearch to add search capabilities to a network appliance management application.
- Worked with OpenTSDB to collect and query network and device metrics.
- Technologies – AWS cloud, Java, Spring Boot, REST API design, MongoDB, OpenTSDB, Elasticsearch, Netflow, C, Network traffic visibility

APR 2011 – APR 2015

Member of Technical Staff / eBay Inc, San Jose, CA
- Built key parts of a self-service private cloud platform (similar to AWS, Heroku) at eBay.
- Designed and built REST APIs, Web UI, and CLI for managing cloud infrastructure.
- Developed a self-service platform and Python based CLI tools for code deployment, CI/CD, application monitoring and infrastructure management across eBay.
- Led a team of 5-10 software engineers.
- Technologies – Java, Spring, JS, Python, OpenStack, RabbitMQ, Oracle, MySQL, REST, Docker, DevOps, CI/CD, IAAS, PAAS, jQuery, Bootstrap, full stack

MAY 2010 – APR 2011

Senior Associate (Software Engineer)/ Cognizant Technology Solutions, Minneapolis, MN
- Worked on a Java, Swing-based desktop application for a client in the health insurance domain.
- Worked on services to integrate data from multiple insurance providers.
- Led a team of engineers. Responsible for the design, development, and delivery of features to the client.
- Technologies – Java, Spring, CORBA, REST, SQL, Swing

APR 2007 – MAY 2010

Senior Software Engineer/ Zolon Tech Solutions, Ann Arbor, Michigan
- Developed Java applications and services for medical document storage and management using Spring, JSP, JSF, Richfaces, REST, Spring, JPA, Oracle, and Filenet.
- Developed SOAP and REST services, batch processes, Java applets, stored procedures, and image processing with VBScript and Inputaccel.
- Improved the reliability of processing faxed documents from 70% to over 97%.
- Technologies – Java, REST, JS, JSF, JSP, Oracle, Linux, Java Applets, Filenet, HL7, JMS

SEPT 2003 – MAR 2007

Senior Software Engineer/ Mastek, India
- Built a web-based platform for UK NHS using Java, JSP, EJB, and Oracle.
- Built a Windows C#.NET desktop application for air flight logistics management using C#.NET and SQL Server for a UK-based client.
- Worked as onsite coordinator for the team in the UK and managed project deliveries, gathered customer requirements, and coordinated with the offshore team.
- Technologies – C#.NET, Java, JSP, EJB, Websphere, Oracle, SQL server, C