

Arun Gopalpuri

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Principal Software Engineer

Accomplished and results-driven Principal Software Engineer with over 20 years of expertise in architecting, developing, and deploying scalable, high-availability financial systems for global institutions. Proven leader in building core financial platforms, transaction hubs, and compliance engines using Go, Java, Scala, and cloud-native technologies. Recognized for leading award-winning initiatives, driving large-scale cloud migrations, and championing operational excellence to meet Platinum-level SLAs. An active open-source contributor passionate about clean architecture, developer productivity, and modern DevOps practices.

WORK EXPERIENCE

Capital One Financials • San Francisco, CA • 06/2019 - Present

Sr Lead Software Engineer

- Served as the principal architect for the 'Exchange' platform, leading the design and development of critical modules including Asset Lifecycle, RBAC, and the Approval Engine.
- Drove architectural evolution and operational excellence by implementing enhanced observability and monitoring, consistently maintaining Platinum-level resiliency and availability.
- Led the development of a high-performance Transaction Hub in Go, an initiative that earned a Tech Excellence Award for its innovative design and impact.
- Engineered a scalable Core Financial System using Scala and Go, creating a foundational platform for multiple lines of business.
- Contributed to the open-source community through enhancements to Zipkin Go Tracing (featured on zipkin.io) and the Echo framework.

Silicon Valley Bank • Santa Clara, CA • 08/2018 - 06/2019

Sr Principal Software Engineer

- Led the successful migration of mission-critical compliance applications (Party Screening, Sanctions) to a cloud-native architecture, significantly improving scalability and performance.
- Championed cross-functional collaboration between engineering, security, and product teams to ensure a seamless and secure transition to the cloud.

Capital One Financials • San Francisco, CA • 12/2012 - 08/2018

Sr Engineering Manager

- Acted as Lead Developer for building the foundational financial core system of record.
- As Tech Lead for Capital One Labs, spearheaded the development of key Open APIs (Rewards, OAuth) to expand the company's digital ecosystem.
- Served as API Lead Engineer for the Capital One Wallet app, playing a pivotal role in its development and successful market launch.
- Led the mobile development team for the "Cash Load" hybrid app (Android/iOS), which won the Innovation Expo Most Creative Idea Award.

ING Direct • Wilmington, DE • 05/2010 - 11/2012

Tech Lead

- Designed and led the implementation of a high-throughput batch processing framework for the customer alerts system.
- Contributed to the development of core features for Personal Loans and Credit Card products.

Mass Mutual Life Insurance • Enfield, CT • 03/2009 - 05/2010

I.T Designer

Harvard University • Boston, MA • 04/2008 - 02/2009

Lead Engineer

J.P Morgan Chase • Lowell, MA • 11/2006 - 03/2008

Senior J2EE Engineer

Harvard University • Boston, MA • 05/2006 - 11/2006

Senior Consultant

Department of Education • Sydney, Australia • 06/2005 - 04/2006

Senior Analyst

Insurance Australia Group • Sydney Australia • 03/2003 - 06/2005

Senior Consultant

Greenwood Technology • Auckland, New Zealand • 06/2001 - 12/2002

Software Engineer

BT Looksmart • Sydney, Australia • 06/2000 - 03/2001

Software Developer

EDUCATION

Madras University - Bachelor of Computer Science

CERTIFICATIONS

AWS Certified Solutions Architect

AWARDS & SCHOLARSHIPS

Innovation Expo Most Creative Idea Award for “Cash Load product”

Capital One

Most Valuable Contributor to Capital One Wallet App Project (Promoted to Senior Lead)

Capital One

Appreciation Letter for Leading worldwide Harvard project successfully

Harvard University

SKILLS

Languages: Java, Kotlin, Go, Scala, Javascript, Typescript, SQL

Frameworks: Spring Boot, Temporal, Spring Batch, Zio, React, Ionic, Echo, Kafka, Ktor, Exposed

Data Systems: Apache Cassandra, Aurora Postgres, Aurora Mysql, FaunaDB

Operations: AWS, GCP, Jenkins, FastLane, Docker, Terraform