

AVINASH KALGI

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EXPERIENCE

JAN 2019 – PRESENT

SENIOR MANAGER, SOFTWARE DEVELOPMENT, AMAZON AWS

Core responsibilities:

- Managing development (development, testing, operations, Roadmap planning) for AWS S3 Lifecycle and Batch operations products.

Notable Achievements:

- Delivered AWS S3 Batch Operations GA and additional features.

NOV 2014 – JAN 2019

VICE PRESIDENT, SOFTWARE DEVELOPMENT, VISA

Core responsibilities:

- Manage multi-million dollar budget to meet development needs of commerce management system, 440K+ merchants, thousands of financial and technical partners.
- Organize development using a team of 100+ developers across US and Bangalore (India) sites.
- Work with Product and Project management to prioritize business features and manage delivery.
- Engage with Business in reviewing KPI, Annual Operating Plan creation, Budget asks and allocation.
- Performance and Leadership management.

Notable Achievements:

- Hiring, training and operationalizing from scratch of a highly productive team in Bangalore (India).
- Elimination of data loss exposure by enhancing the system to include encryption and decryption of all personal and account information. This included securing several years worth of data.
- Enhance the system to work in an Active-Active mode across data centers thus improving the Availability (99.999%) and Maintenance characteristics of the system.
- Migration to a dedicated data center within VISA. This included full upgrade of the database software and infrastructure. No downtime or impact.
- Delivery of high quality implementation of business features including full revamp of the external facing develop center, partner and merchant portals, high speed merchant boarding and provisioning system and several value-

added services including card on file system enhancements, account updater and invoicing.

NOV 2010 – NOV 2014

SENIOR DIRECTOR, SOFTWARE DEVELOPMENT VISA

Senior Manager (Director) through Senior Director

Core responsibilities:

- Develop team management leads and scale development.
- Improve development practices and enhance productivity.
- Deliver high quality implementation of business features and system improvements.

Notable Achievements:

- Built new teams to deliver alternative payments (Paypal payment acceptance) and Security management.
- Worked with Business and Development management to setup the first Mobile development team in the organization. Delivered the mobile point of sale (mPOS) application on Android and iOS including DUKPT key management and required cryptographic infrastructure for secure mobile retail transactions.
- Working closely with Apple delivered integration with Apple Pay as a worldwide launch partner.
- Migration of the entire system to the VISA Datacenter.
- Creation of processes and system for technology debt assessment and improvement, code coverage assessment (including SQL), design and code reviews and CI/CD.
- Automated provisioning of full stack developer setup for productivity gains.
- Setup of mandatory training curriculum and schedule. Team member rotation for scaling development.

AUG 2007 – NOV 2010

MANAGER, SOFTWARE DEVELOPMENT ENGINEERING CYBERSOURCE

Managing multiple teams, Hiring and building teams, Managing large cross-team projects and programs.

Rest of World expansion of the system.

- Worked closely with product management to establish requirements for phased delivery.
- Collaboratively architected the solution that meets market and platform needs.
- Structure participation of the multiple teams, end to end testing and acceptance driven development.
- Delivered this critical and large project on time for expansion into UK and France (initial launch).

SOA Services team

- Transitioned existing teams from .NET to Java (IBM WebSphere Stack) in a year.
- Participated in selection for SOA runtime, externalized authentication and authorization infrastructure and development tools.
- Selected of the IBM SCA stack and Rational tooling support.

- Educated the team on SOA analysis and design and usage of tools and runtime.
- Ensured engineering discipline by incorporating TDD, Acceptance test and Continuous integration as a part of project delivery.

Infrastructure team

- Built up the new infrastructure team (job description, interviewing, hiring).
- Established a process for the infrastructure oriented team to collaboratively work with the market facing teams.
- Worked with the team to deliver initial projects.

Production Support

- Established process where hot fix issues get routed and resolved efficiently.
- Established the process to hire, train recruits for this team and establish rotation.

Core Transactions processing team

- Team Management, Architecture, Design and implementation
- Transitioned team from the waterfall method of development to Agile. Assisted team members with design, implementation breakdown and sizing.
- Worked with QA team to implement a testing system for the transaction processing system. Regression time reduced from half a week to minutes.
- Developed a resource allocation schedule that allows the team members to be cross trained on various components of the system.

OCT 2000 – AUG 2007

MANAGER, SOFTWARE DEVELOPMENT ENGINEERING AUTHORIZE.NET

Senior Software engineer through Development manager.

Requirements analysis, Architecture, Design and Improving development practices.

Beta Products site: C#, Transact SQL, SQL Server 2005, IIS 6.0

Defined, implemented following Processes:

- Idea identification, Allocation of time for beta product development
- Transitioning product from beta to production
- Published various products: VPOS (Developer edition), Pay Now buttons and CAPTCHA

Browser based Virtual Point of Sale for retail (VPOS): C++, COM, JavaScript, ASP.NET

- Created concept, evaluated card reader and receipt printer vendors.
- Worked with product management to design product functionality, requirements and use cases.
- Designed, implemented the COM USB HID card swipe/device interaction.

Real time Cryptography support: C#, IIS 6.0, Hardware Security Module (HSM)

- Defined encryption/decryption requirements for Authorize.Net.
- Evaluated hardware based cryptography solutions.
- Designed, implement system using HSMs, Databases and Web Services

Dynamic currency conversion (DCC), Card holder authentication (ex: 3DS): C++, COM, Transact SQL, SQL Server 2000. Analyzed requirements, Designed and implemented:

- DCC and card holder authentication programs.
- Updates to Data Model, Transaction engine and API to support these programs.

Real time credit card authorization framework: C++, COM, Transact SQL, SQL Server 2000, IIS 6.0. Designed and implemented:

- Framework and components for authorization system: configuration, logging, notification, iso8583 formatting and robust connectivity.
- Authorization capability (retail/e-commerce/MOTO) using the framework for various processors.

JAN 1999 – OCT 2000

SENIOR SOFTWARE ENGINEER SUN MICROSYSTEMS

Sun testing tools (Javatest), Development Lead with Sun-Netscape alliance (iPlanet).

1994 – 1997

SITE ENGINEER RELIANCE INDUSTRIES LIMITED

On-Site engineer maintaining, debugging Software and Electronic control systems.

EDUCATION

JAN 1999

MASTER OF SCIENCE IN COMPUTER SCIENCE, WEST VIRGINIA UNIVERSITY

1994

BACHELOR OF ENGINEERING IN INSTRUMENTATION, VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY

SKILLS

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| <ul style="list-style-type: none"> • Building and managing development teams • Leadership and performance management • Scalable software development using C, C++, .NET, JAVA, iOS, Android and Transact-SQL (SQL Server). • Highly available, performant and secure Internet facing and back-end systems. • IIS, SQL Server, Web Services | <ul style="list-style-type: none"> • Payment processing and management. • API and SDK development and management. • Commerce service development and management. • High volume merchant boarding and underwriting. • Sophisticated Self-Service UI development. • Mobile point of sale development. |
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	● Automated billing and fund disbursement.
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