KARAN SHARMA

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SUMMARY

Software Engineer with close to 5 years of experience in designing, developing and delivering software products built on public cloud platforms. Highly skilled in working in a fast paced agile and deadline-driven environment.

WORK EXPERIENCE

Senior Software Engineer
Jan 2022 - Present

Greenlight Financial Technology Inc | Philadelphia, PA

- Built event driven workers in the re-platformed banking platform by leveraging AWS SQS, EventBridge and SNS responsible for asynchronous communication among various banking platform services.
- Acted as a major contributor in the design and development of services in the re-platformed on-boarding experience which aimed at decoupling registration and activation to enable 3 step registration. This paved way for faster registrations, and provided flexibility to growth and marketing teams for running experiments with new customers and cohorts.
- Spearheaded the work on modernizing card ordering flow by using latest APIs and flows recommended from 3rd party card-provider. This optimized the card shipping process, reduced shipping and embossing issues by 10%.
- Worked on extracting cards domain from monolith service to a dedicated microservice built using NestJS and Typescript, this allowed upto 60% faster continuous development and enhanced productivity of developers working in cards team.

Application Architect
Jan 2019 - Jan 2022

Black Knight Financial Services | Philadelphia, PA

- Created a centralized reporting system ingesting data from existing transactional databases responsible for aggregating data for 10 million transactions per month.
- Spearheaded the planning and grooming activities across development teams, providing feedback from an architecture perspective to ensure sustained software quality.
- Acted as the major contributor in the development of Seller Digital, a corresponding lending platform used by over 20,000 lenders. The platform is comprised of multiple loan officers selling loans worth in excess of millions of dollars to correspondent aggregators every month.
- Built the Notification engine which was responsible for integrating SellerDigital and AIVA together with Empower Loan Origination System.
- Developed a scalable Loan Indexing Database using Elastic Search, this helped overcome a hard limit of being able to display only 50,000 loans in the Seller Digital Application.
- Assisted in developing a Active-Passive Disaster Recovery Strategy with a Recovery Time Objective(RTO) of 2 hours.

Software Developer
May 2018 - Jan 2019

Genesis Global Technologies | Fort Myers, FL

- Developed a Data Visualisation System using C#, d3.js and SQL used for data visualization throughout the application. This feature eliminated 100% of expenditures on third party data visualization applications.
- Developed a Geographical Mapping System using OpenLayers, which was used for geocoding contact data. This feature enabled Managers to view and filter community statistics over a map of the United States.

TECHNICAL SKILLS

Domains	Distributed Systems, Cloud Computing, Serverless, Business Intelligence, Machine Learning
Tools	GITHUB, Eclipse, Visual Studio, Lucid Charts
Cloud	AWS Lambda, S3, Athena, RDS, SAM, SNS, SQS, API Gateway
Languages	JavaScript, TypeScript, Python, Java, Kotlin, bash
Database	DynamoDB, MySQL, RDS, SQL Server
Frameworks	Kubernetes, Docker, Express, Nest, Spring Boot, Cucumber, Jest, Behave, Cypress,

EDUCATION

MS in Computer Science
Dec 2017

University of Florida, Gainesville, FL

B.Tech in Computer Science and Engineering
June 2016

Jaypee University Of Information Technology, Solan, India

COURSEWORK

Graduate: Principals of Programming Languages, Pattern Recognition, Computer Networks, Advanced Data Structures, Analysis of Algorithms

Undergraduate: Object Oriented Programming, Database Management System, Operating Systems, Principles of Cryptography