

# Karan Shah

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**Work Experience** **SonicWall Inc.,** *Software Dev Senior Associate Engineer* Sep 2019 | Present  
Bengaluru, IN

- Designing Frameworks to Manage Firewalls (Go)
- gRPC design for SaaS micro-services (Go, Docker)
- RESTful server design for settings management(MongoDB, Go)
- PDF Generation for Reporting Data (Jasper Reports, Java)
- FIPS certification related work (Documentation)
- Embedded Geo-IP Database Lookup (MaxMind API, Java)
- Customer Escalations (Functionality issues)

**Skills**

<b>Programming Languages:</b>	Go, Java
<b>Frameworks:</b>	JasperReports, MaxMind APIs
<b>Design Patterns:</b>	Monolithic Systems, Microservices
<b>Project Management/Documentation:</b>	JIRA, Confluence, Gitlab CI/CD

**Projects**

**URLShortener,** *Go, BoltDB, Mux*  
A simple URL shortener which uses an embedded DB for ultra-portability  
<https://github.com/karanssh/URLShortener>

**RandomDataGen,** *Go*  
Generate random data as per a given json/csv structure  
<https://github.com/karanssh/generateCallerEventData>

**SQL-CSV Data loader,** *Go, MariaDB*  
Load CSV data into a SQL database  
<https://github.com/karanssh/eventDataLoader>

**Education** **Heritage Institute of Technology,** *B. Tech in Computer Science* GPA: 7.5 Jul  
2015 | Jun 2019  
Kolkata, West Bengal