



# INTRODUCTION TO DEVOPS

## PROJECT THEATRE TICKET BOOKING SYSTEM

SUBMITTED BY

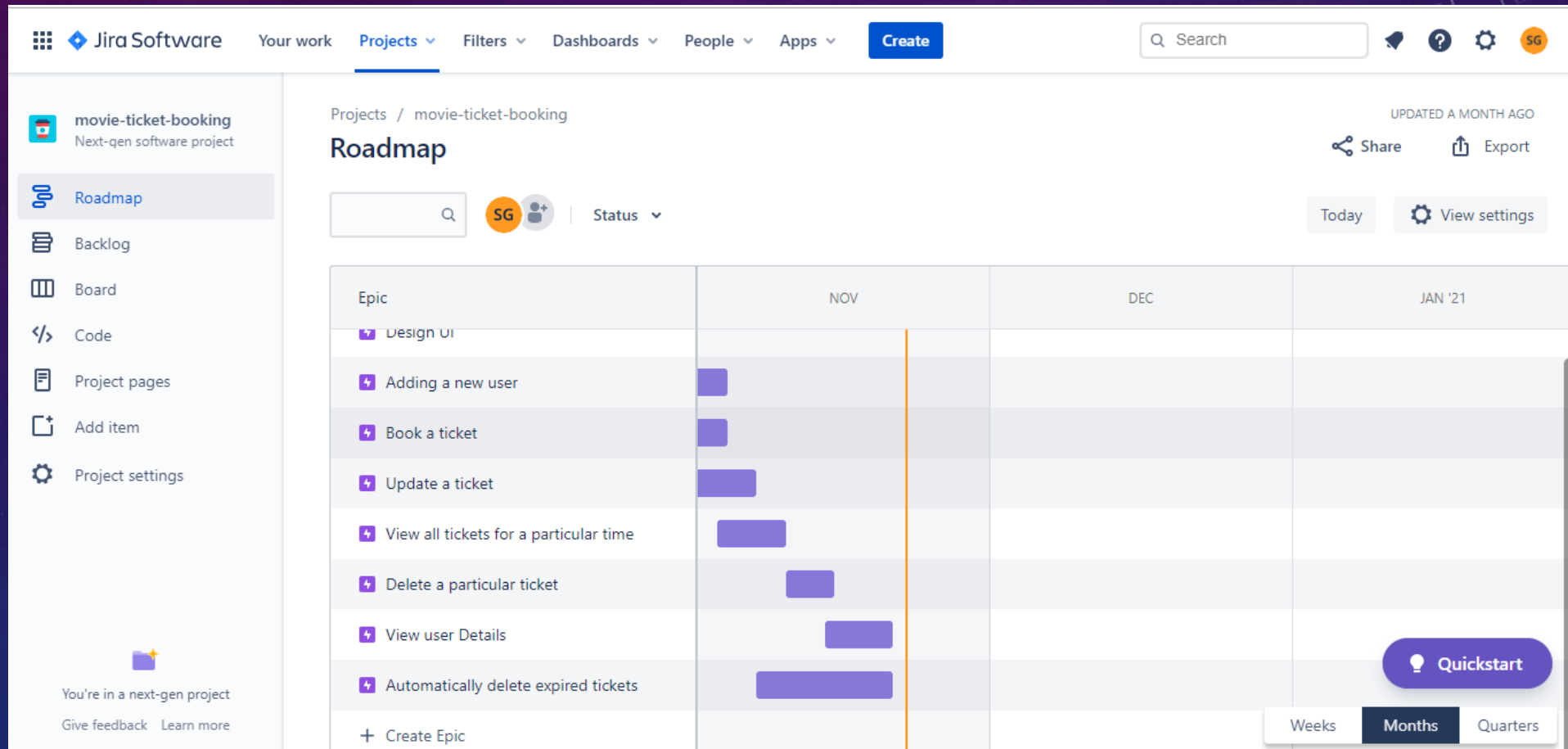
**SHUBHANGI MISHRA (9917103077)**

**VANSHIKA BHATNAGAR (9917103086)**

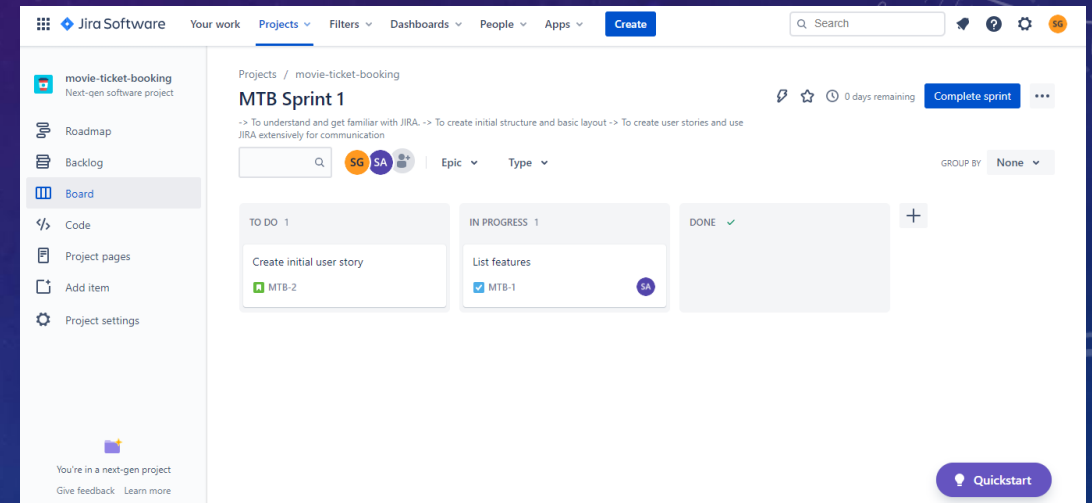
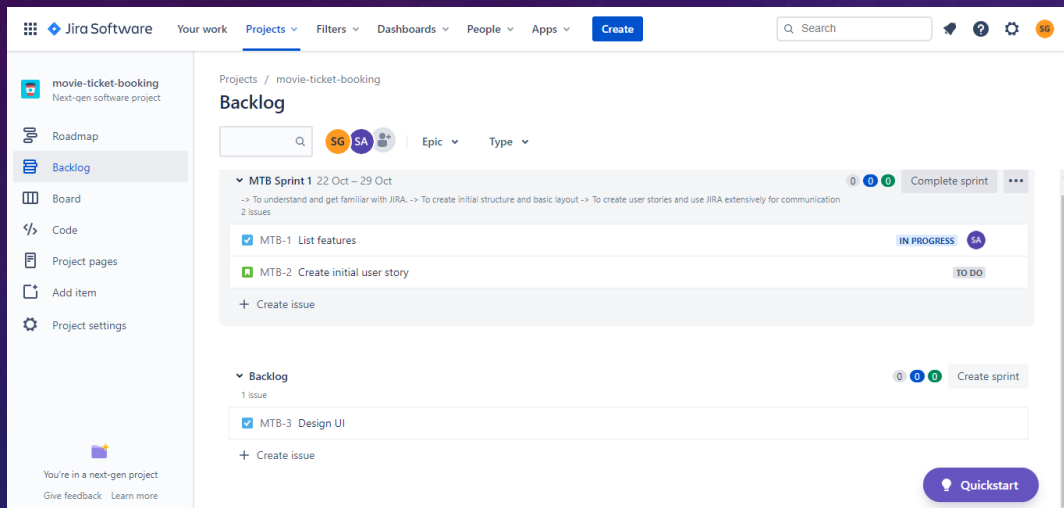
**SAHIL GUPTA (9917103163)**

**SHIVAM AGGARWAL (9917103169)**

# ROADMAP USING JIRA



# MAINTAINING USER STORY, SPRINTS & BACKLOG USING JIRA



Some Screenshots of Backlogs and Sprint Management from a time instance within project development.

# PROJECT GITHUB REPOSITORY

- Link - <https://github.com/the-stranded-alien/devops-ticket-booking>

The screenshot shows the GitHub repository page for 'the-stranded-alien/devops-ticket-booking'. The repository has 2 pull requests, 0 issues, 0 stars, and 0 forks. The 'Code' tab is selected, showing a list of files and folders. The repository is updated 2 minutes ago with 30 commits. The files listed are: Testing\_Screenshots (Deleting a wrong push, 11 minutes ago), routes (Add files via upload, 23 hours ago), README.md (Updated README, 2 minutes ago), db.js (Complete Database Schema Implementation, 10 days ago), package-lock.json (Initializing Node Project, 11 days ago), package.json (Initializing Node Project, 11 days ago), and server.js (Add method to auto delete old tickets, yesterday). The README.md file is open, showing the title 'DevOps-Theatre-Ticket-Booking-System'.

the-stranded-alien/devops-ticket-booking

Search or jump to... Pull requests Issues Marketplace Explore

the-stranded-alien / devops-ticket-booking

Unwatch 2 Star 0 Fork 0

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags

Go to file Add file Code

the-stranded-alien Updated README b93371d 2 minutes ago 30 commits

|                     |   |                |
|---------------------|---|----------------|
| Testing_Screenshots | Deleting a wrong push                   | 11 minutes ago |
| routes              | Add files via upload                    | 23 hours ago   |
| README.md           | Updated README                          | 2 minutes ago  |
| db.js               | Complete Database Schema Implementation | 10 days ago    |
| package-lock.json   | Initializing Node Project               | 11 days ago    |
| package.json        | Initializing Node Project               | 11 days ago    |
| server.js           | Add method to auto delete old tickets   | yesterday      |

README.md

## DevOps-Theatre-Ticket-Booking-System

About

No description, website, or topics provided.

Readme

Releases

No releases published  
[Create a new release](#)

Packages

No packages published  
[Publish your first package](#)

Contributors 4

shivam-aggarwal

# CONTRIBUTORS & README OF THE REPO

The screenshot displays a web browser window with the address bar showing 'the-stranded-alien/devops-ticket-booking'. The main content area shows the README for the 'DevOps-Theatre-Ticket-Booking-System'. The README includes a title, a subtitle 'Theater Ticket Booking System API', a description 'A REST Interface (API) For A Movie Theatre Booking System', and a 'Contents' section with a list of topics. On the right sidebar, there is a 'Contributors' section listing four users and a 'Languages' section showing 'JavaScript 100.0%'.

the-stranded-alien/devops-ticket-booking

Publish your first package

README.md

## DevOps-Theatre-Ticket-Booking-System

### Theater Ticket Booking System API

*A REST Interface (API) For A Movie Theatre Booking System*

#### Contents

- Requirements
- Steps to Set-Up
- Using The API
- Database Structure
- Logic
- Test Cases & Screenshots For All Endpoints
  - Adding A New User
  - Book A Ticket : Endpoint-1
  - Update A Ticket : Endpoint-2
  - View All Tickets For A Particular Time : Endpoint-3
  - Delete A Particular Ticket : Endpoint-4
  - View User Based On Ticket Id : Endpoint-5
  - Max 20 Tickets For A Particular Show Date & Time : Note
  - Automatically Delete Expired Tickets : Plus Point

#### Contributors 4

- shivam-aggarwal
- the-stranded-alien Sahil Gupta
- shubhangi-mishra
- vanshikabhatnagar

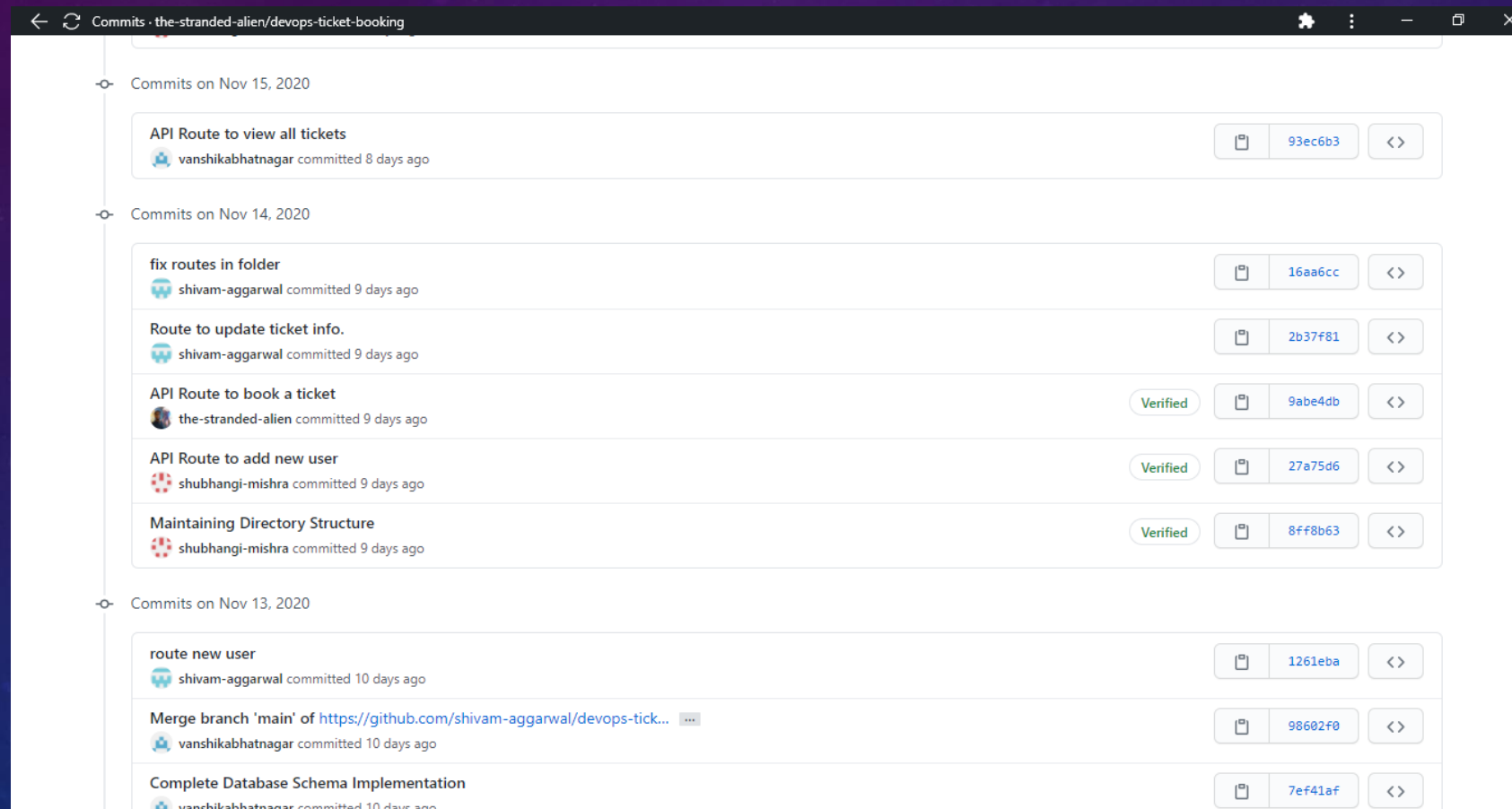
#### Languages

- JavaScript 100.0%

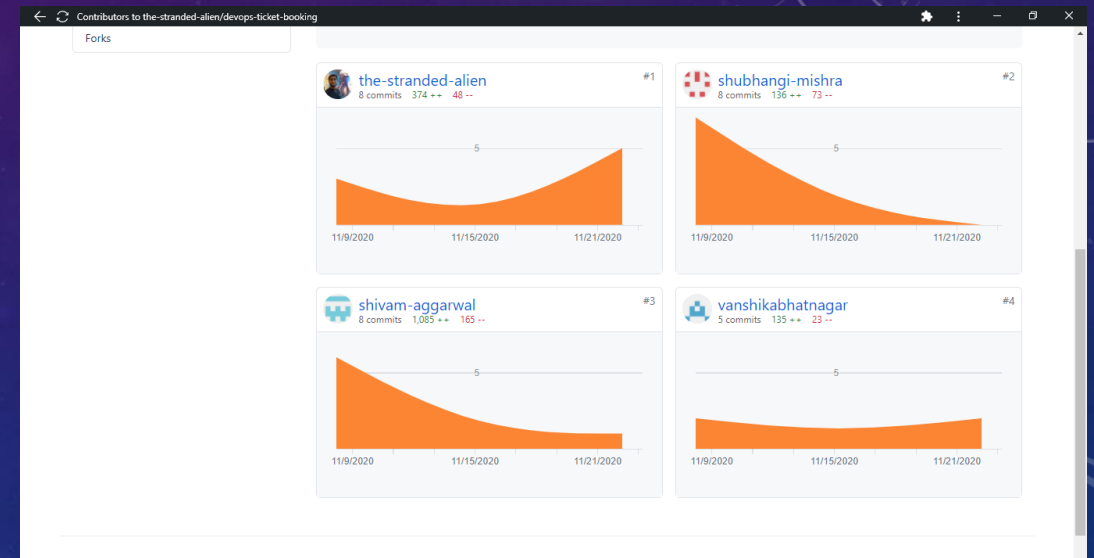
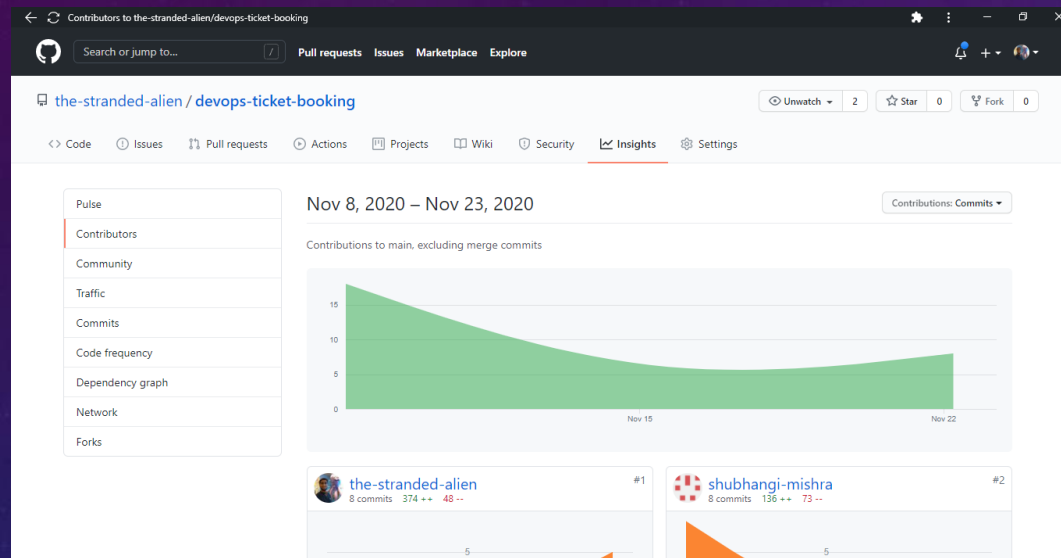


# COMMITTS BY ALL CONTRIBUTORS

- Link – <https://github.com/the-stranded-alien/devops-ticket-booking/commits/main>

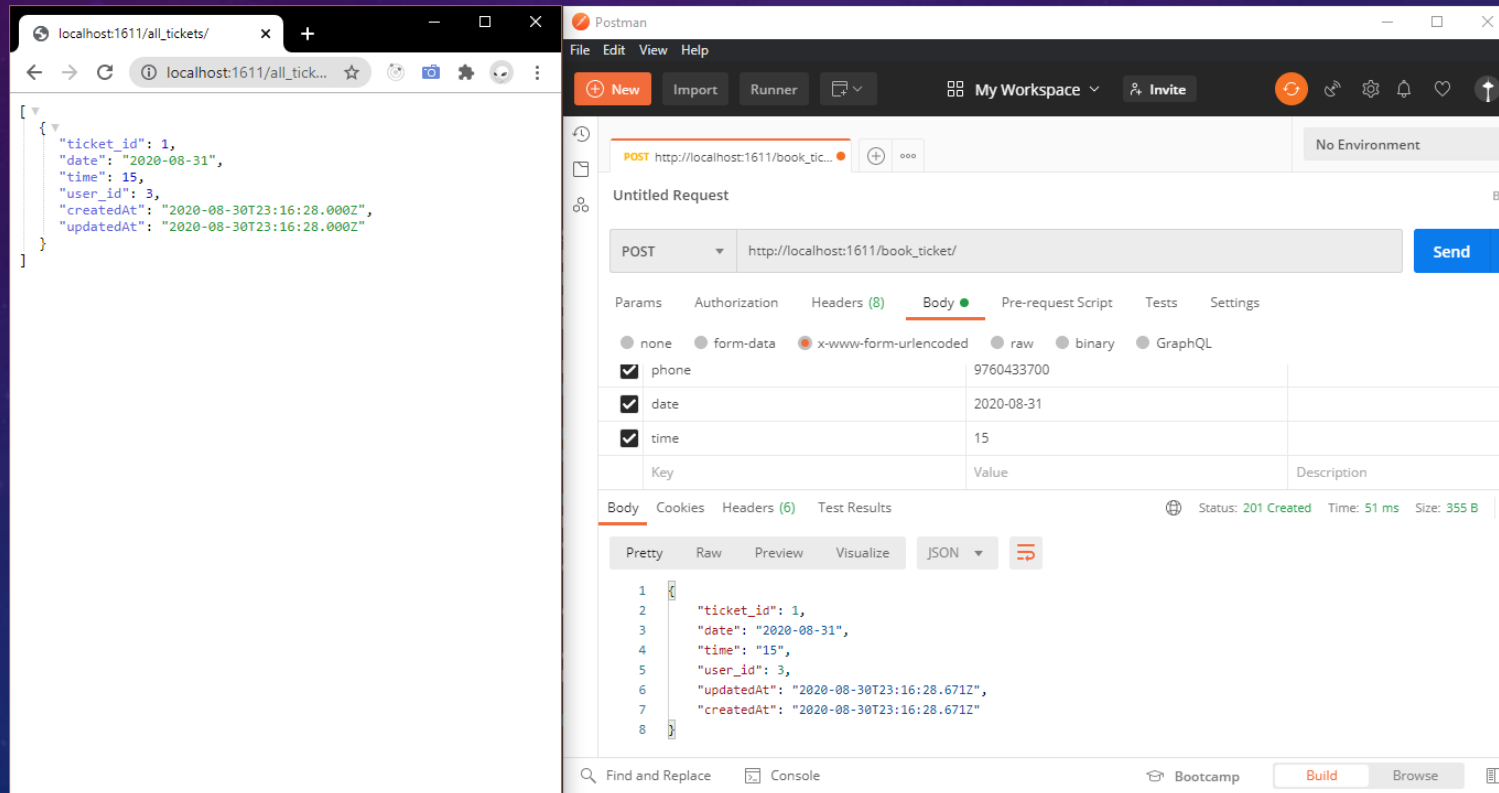


# GITHUB INSIGHTS



# TESTING THE REST-API

- All the testing is explained with proofs in the Readme of the GitHub Repo. Readme Link - <https://github.com/the-stranded-alien/devops-ticket-booking/blob/main/README.md>
- We have used POSTMAN to test our API –





# DEPLOYING OUR API – USING AZURE SQL VM

Home > Azure SQL > Select SQL deployment option >

Create a virtual machine

✓ Validation passed

Basics

|                                 |   |
|---------------------------------|---|
| Subscription                    | Data - X & Y  |
| Resource group                  | new-vnet-rg   |
| Virtual machine name            | mysqlVM   |
| Region                          | Southeast Asia  |
| Availability options            | No infrastructure redundancy required                                     |
| Image                           | Free SQL Server License: SQL 2019 Developer on Windows Server 2019 - Gen1 |
| Size                            | Standard DS14 v2 (16 vcpus, 112 GiB memory)                               |
| Username                        | sahil   |
| Public inbound ports            | SSH   |
| Already have a Windows license? | No  |
| Azure Spot                      | No  |

Disks

|              |              |
|--------------|--------------|
| OS disk type | Standard HDD |
|--------------|--------------|

Create< PreviousNext >Download a template for automation

Home >

CreateVm-microsoftsqlserver.sql2019-ws2019-sqldev-20201021174926 | Overview

Deployment

Search (Ctrl+/)«DeleteCancelRedeployRefresh

Overview

Inputs

Outputs

Template

We'd love your feedback! →

Deployment is in progress

Deployment name: CreateVm-microsoftsqlserver.sql2019-ws2019-s...

Subscription: Data - X & Y

Resource group: new-vnet-rg

Start time: 10/21/2020, 6:13:11 PM

Correlation ID: 9a5cd89d-ce61-440b-9129-38f218325794

Deployment details (Download)

| Resource           | Type                         | Status  | Operation details |
|--------------------|------------------------------|---------|-------------------|
| mysqlVM            | Microsoft.Compute/virtual... | Created | Operation details |
| mysqlvm36          | Microsoft.Network/network... | Created | Operation details |
| mysqlVM_DataDisk_1 | Microsoft.Compute/disks      | OK      | Operation details |
| mysqlVM_DataDisk_0 | Microsoft.Compute/disks      | OK      | Operation details |
| new-vnet-rg-vnet   | Microsoft.Network/virtual... | OK      | Operation details |
| mysqlVM-ip         | Microsoft.Network/public...  | OK      | Operation details |
| mysqlVM-vm         | Microsoft.Network/loadbal... | OK      | Operation details |

Security Center

Secure your apps and infrastructure

Go to Azure security center >

Free Microsoft tutorials

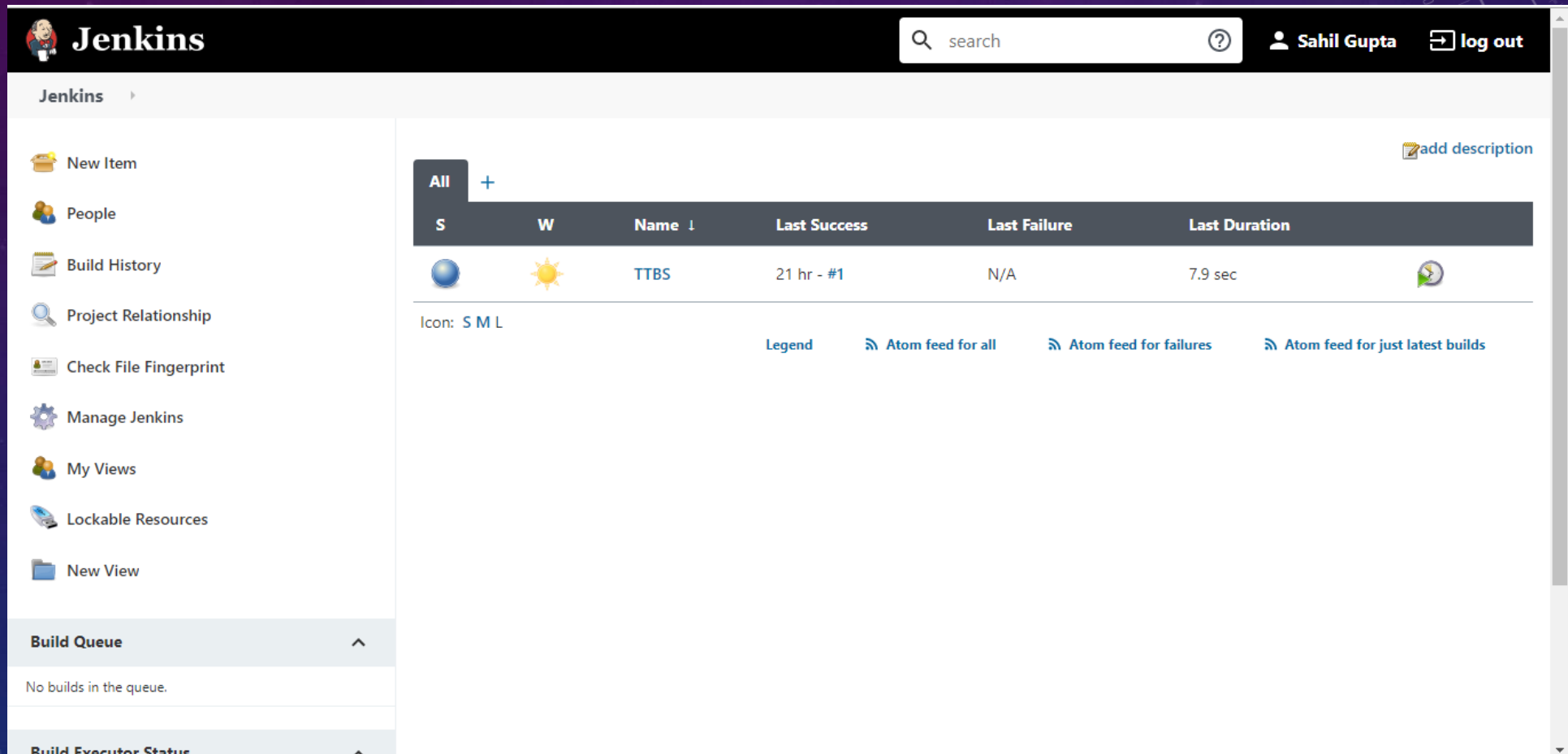
Start learning today >

Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

Find an Azure expert >

# BUILDING THE PROJECT USING JENKINS



The screenshot displays the Jenkins web interface. The top navigation bar includes the Jenkins logo, a search bar, and user information for Sahil Gupta with a log out button. The left sidebar contains a menu with options: New Item, People, Build History, Project Relationship, Check File Fingerprint, Manage Jenkins, My Views, Lockable Resources, and New View. The main content area shows a table of build history for the 'TTBS' project. The table has columns for status (S), icon (W), name, last success, last failure, and last duration. The current build is successful, with a duration of 7.9 seconds. Below the table, there are links for 'Icon: S M L', 'Legend', and three Atom feed links: 'Atom feed for all', 'Atom feed for failures', and 'Atom feed for just latest builds'.

**Jenkins** search ? Sahil Gupta log out



**Jenkins**

New Item  
People  
Build History  
Project Relationship  
Check File Fingerprint  
Manage Jenkins  
My Views  
Lockable Resources  
New View

**Build Queue** ^  
No builds in the queue.

**Build Executor Status** ^

add description

| S   | W  | Name ↓ | Last Success | Last Failure | Last Duration |
|---|--|--------|--------------|--------------|---------------|
|  |  | TTBS   | 21 hr - #1   | N/A          | 7.9 sec       |

Icon: S M L


Legend

Atom feed for all

Atom feed for failures

Atom feed for just latest builds

# BUILD STATUS

 **Jenkins**

search ?

Sahil Gupta log out

Jenkins > TTBS > #1

[Back to Project](#)

[Status](#)

[Changes](#)


[Console Output](#)

[Edit Build Information](#)

[Delete build '#1'](#)


[Git Build Data](#)


[No Tags](#)


 **Build #1 (Nov 22, 2020 1:22:01 PM)**

[Keep this build forever](#)

[add description](#) Started 21 hr ago  
Took 7.9 sec

 No changes.

 Started by user [Sahil Gupta](#)

 **Revision:** aa44f6d48428d2b83952f531030081fd32bca652

- refs/remotes/origin/master

REST API Jenkins 2.249.3