

# DAVINDER SINGH

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Sacramento, CA · [davinder4885@gmail.com](mailto:davinder4885@gmail.com)

## CAREER PROFILE

Highly focused and reliable entry level Junior QA Engineer/Web development with a strong programming knowledge base. Excellent knowledge about Manual and Automation Testing using Selenium with Python. Exceptional ability to work independently with little to no supervision or as a part of software development team. Extremely flexible and adaptable and enjoy working in all kinds of Software Development Environments.

## EDUCATION

**Master's in Information Technology** – Punjab Technical University, India

**Cisco Certified Network Associate (CCNA R&S 200-125)** – Cisco Networking Academy

## PROJECTS

- **Portfolio:** HTML5, CSS3, JavaScript.  
**GitHub repo** – <https://davinder19.github.io/davinder-portfolio/>  
**Details:** My latest works about Development and Testing Automation projects with demo videos and GitHub repository.
- **Automation Testing Projects:** Shopping Cart, Mobile Shopping, BMI Calculator (Selenium, Python, PYTEST, Java, TestNG), API/Rest API testing (Postman, JavaScript, Python, BDD Framework).  
**GitHub repo** – <https://davinder19.github.io/davinder-portfolio/tester.html#projects>
- **Development Projects:** Front-End Web Template, Portfolio, BMI Calculator, Joke Generator, To-do's App, Notes App. (HTML5, CSS3, JavaScript)  
**GitHub repo** – <https://davinder19.github.io/davinder-portfolio/#projects>

## TECHNICAL SKILLS

- Developing responsive **front-end website** using **HTML5, CSS3, Flexbox, Grid, Media Queries** and **JavaScript DOM**.
- Familiarity with different types of **SDLC** (V-Model, Waterfall, and Agile Methodology) **paradigms**.
- Proficient in developing and implementing **smoke/sanity** testing, **functional** testing, **integration** testing, **ad-hoc** testing and **compatibility** based on scope and tradeoffs.
- Knowledge of **Jira** Tool, **agile mythology**, and **scrum** framework.
- Create and maintain **SRS analysis, test scenarios, RTM, test strategy, test plans, test reports and test dashboard**.
- Expertise in creating and maintaining **entry** and **exit criteria** for the test scenarios and test cases and getting reviewed and approved.
- Analyzing and understanding the **release notes** from dev teams before execution of test cases.
- Performed **initial testing** after test deployed and **test case execution** (Smoke, Functional, Integration, regression, and Re-testing)
- Experienced in updating & maintaining **requirement traceability matrix** (forward traceability and backward traceability)
- Logged and managed **defects** using a variety of defects tracking tools **Jira & Taiga**

- Experienced on analyzing the **Severity** and **Priority** of the issue **critical, major, and minor**.
- Good in **re-testing** defects, which were fixed and conducted **regression testing** with respect to impacted areas in **new build version**.
- Good knowledge about **daily execution status reports, daily defect reports, retest report and weekly status reports**.
- Used **Postman** tool test **API** calls and **automation, validation** with **JavaScript**.
- **Rest API** testing with **python** and **BDD** Framework.
- Designing, developing, and enhancing **automation test scripts** using **selenium** with **python, PYTEST, Java, Maven, TestNG, BDD framework and Jenkins**.
- Good knowledge about Developing Framework and automation using Selenium with Python **PYTEST, Java and TestNG**
- Performed functional testing, **data driven** testing **cross browser compatibility** testing on different browsers like IE, Firefox & Chrome.
- Good knowledge of **SQL, DDL, DML, DCL, TCL** commands and hands on experience in writing **SQL queries, joins, and sub queries**.
- Good knowledge of **RDBMS** concept like **constants** and **Relationship keys**.
- **IPv4** addressing, Sub netting, VLSM, **IPv6** addressing. Configuring **Cisco Routers** with different protocols such as **RIP, EIGRP, OSPF**, Static Routing and different **ACL** Permission. Configure Cisco Switches with **VLAN's**.

## TOOLS

- **Editor:** Visual Studio, Sublime Text, PyCharm, Eclipse IDE.
- **Programming language:** JavaScript, Python, Java, XML, Json
- **Database:** MySQL, PostgreSQL.
- **Reporting Tools:** Jira, Taiga, Bugzilla.
- **API/REST API Testing:** Postman, Json, JavaScript, Python, BDD Framework
- **Automation:** Selenium, Python, PYTEST, Java, Maven, TestNG, BDD, JavaScript
- **Platforms:** Windows 7/8/10, Unix.

## WORK EXPERIENCE

### Plant Breeder Assistant

Rice Experiment Station

Biggs, CA 95917

August 2011 – Present

- Involved in all the stages rice research tasks.
- Excellent knowledge about GPS Technology for planting and harvesting crop.
- Capturing crop images & videos by Drone.
- Extensively worked on various Rice quality test software Vibe, S2I, RVA, Win-Seed, Stake for quality testing purpose.
- Collecting and processing rice plant data, germination, seedling vigor, heading, blanking, logging, yield, total rice, head rice data and reporting to Rice Breeder.
- Performing database assisting task Create, Update, Delete, drop data and analysis crop data using AGRONOMIX Database Software.