NAME:

OCCUPATION:

LEVEL 1

|  |  |  |
| --- | --- | --- |
|  | **Skill Name** | **B/I/P** |
|  | Cross-browser knowledge |  |
|  | Can interpret HTTP status codes |  |
|  | Multiple OS knowledge |  |
|  | Multiple Mobile OS Knowledge |  |
|  | Can write effective test cases\* |  |
|  | Can write or verbalize a testing approach\* |  |
|  | Can use screen/video capture tools |  |
|  | Can write effective defect reports\* |  |
|  | Can use test management tools (defect & test cases) |  |
|  | Can install supporting software without issues |  |
|  | Understands Software Development Lifecycle\* |  |
|  | Understands Software Development processes\* |  |
|  | Agile |  |
|  | Lean |  |
|  | XP |  |
|  | Waterfall |  |
|  | Water-Wheel |  |
|  | Understands Exploratory Testing |  |
|  | Uses Session Testing |  |
|  | Can write Charters |  |
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| KEY: | GENERAL SKILLS:

**\* technical soft skills**

**+ involves coding**

**B - beginner**

**I - Intermediate**

**P - Proficient**

LEVEL 2

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| --- | --- | --- |
|  | **Skill Name** | **B/I/P** |
|  | Can use developer tools in browsers |  |
|  | Can read error messages from the console |  |
|  | Can diagnosis what the error means |  |
|  | Can use command line |  |
|  | Can use an IDE |  |
|  | Can use monitoring tools such as:  Fiddler, Charles |  |
|  | Can run automation |  |
|  | Via IDE |  |
|  | Via command line |  |
|  | Can configure or modify an OS (Registries/Root) |  |
|  | Can run software builds |  |
|  | Via command line |  |
|  | Via build tool  (ie Jenkins, Bamboo) |  |
|  | Can analyze user stories for gaps\* |  |
|  | domain knowledge\* |  |
|  | integration knowledge\* |  |
|  | network knowledge\* |  |
|  | Can modify a mobile OS for testing purposes |  |
|  | Can use tools to check non-functional requirements |  |
|  | Can use Google Analytics |  |
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LEVEL 3

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|  | **Skill Name** | **B/I/P** |
|  | Can remote/access application environments |  |
|  | Spin-up/Use multiple application environment setups |  |
|  | Can run a version of the application locally |  |
|  | Can run a local database instance |  |
|  | Can run any automated checks or tests (unit, integrated, contract, functional, UI, API) |  |
|  | Can run any non-functional automation checks or tests (performance, load, security, etc) |  |
|  | Can analyze errors from automated checks/tests for any framework |  |
|  | Can use supporting development tools (examples listed, not a complete list) |  |
|  | Docker |  |
|  | Vagrant |  |
|  | Swagger |  |
|  | SQL Manager and/or  Oracle Manager |  |
|  | Artifactory |  |
|  | Rancher |  |
|  | Hadoop |  |
|  | Can understand microservice architecture |  |
|  | Can draw it for a project\* |  |
|  | Can understand network architecture |  |
|  | Can draw it for a project\* |  |
|  | Can run a SQL query |  |

LEVEL 4

|  |  |  |
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|  | **Skill Name** | **B/I/P** |
|  | Can write automated test scripts for different levels of the application + |  |
|  | Can use versioning software (SVN, GIT) |  |
|  | Can make a commit using  versioning software |  |
|  | Can use software package management systems (npm, yarn, homebrew) |  |
|  | Can maintain automation framework + |  |
|  | Fix test script errors |  |
|  | Fix framework issues |  |
|  | Update/Change dependent  software packages |  |
|  | Can maintain mobile automation framework + |  |
|  | Fix test script errors |  |
|  | Fix framework issues |  |
|  | Update/Change dependent software packages |  |
|  | Collaborate with developers on code/application + |  |
|  | Can evaluate unit tests w/  developer help |  |
|  | Can evaluate code changes on  a basic level or w/developer help |  |
|  | Can understand database structures/tables |  |
|  | Know the difference between  SQL & NoSQL |  |
|  | Normalization/Denormalization |  |
|  | Can create complex database queries + |  |
|  | Relational DBs |  |
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LEVEL 5

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|  | **Skill Name** | **B/I/P** |
|  | Can create and maintain a testing framework for any level of the software + |  |
|  | Includes things like: mobile,  performance, API, contract,  database |  |
|  | Can coach & review automation script code + |  |
|  | Can integrate automated test framework with CI & CD processes + |  |
|  | Can configure CI/CD tools for builds and automation + |  |
|  | Can create/maintain testing tools + |  |