

# Amit Sarkar

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**Test consultant | Problem solver | Self-starter | Adaptive learner | Collaborator | Podcast co-host**

I am an experienced professional with over 14 years of industry experience in technology and consulting across telecom, security, transportation, executive search, digital media, customs, and government sector. I love open-source technologies and a keen user. Passionate about systems thinking and helping others in learning technology, I believe in learning concepts over tools and collaborating with people over managing them. In my free time I co-host a podcast on technology and learning about various aspects of software testing.

## Technical Skills

### Core

Test management tool	XRay for Jira, HP ALM/QC, TestFlo for Jira
Automation tool	Gauge, Taiko, Postman API
Robotic Process Automation tool	UiPath Studio, UiPath Assistant, UiPath Orchestrator
Security tool	BURP Proxy, Nmap (including NSE), Metasploit framework
Testing tool	BrowserStack App Live, Chrome Dev Tools, Postman API
Bug tracking System	Bugzilla, XRay for JIRA
CRM tool	Salesforce (Sales Cloud, Community Cloud)
Project management tool	MS Project, Trello, Jira, Confluence
Methodologies	Agile (SCRUM, Kanban), Waterfall, V-Model, Secure SDLC
IDE	VS Code, Android Studio
CV parsing & CV matching	Daxtra Capture (Salesforce), Daxtra Search (Salesforce)
Document management	SpringCM for Salesforce
Customs declaration tool	Descartes e-Customs
Proxy tool	BURP Proxy
Data movement tool	Cleo Harmony
Flowchart tool	MS Visio, draw.io
Content management system	MS SharePoint
Desktop platforms	MS Windows 10, Apple OS X, Linux (Kali, Ubuntu, Arch), VMs (VirtualBox, VMWare)
Mobile platforms	Android, iOS

### Exposure

CI / CD / DevOps	Git, Github, Bitbucket, Jenkins, Terraform, Docker
Automation tool	Selenium (WebDriver & IDE), Katalon Studio, Google Puppeteer, Appium Studio
Programming languages	JavaScript (NodeJS)
Database management tool	MS SQL Server Management Studio, Oracle SQL Developer, MySQL Workbench, HeidiSQL, PostgreSQL
Analytics tool	Google Analytics
Performance testing/audit tool	Apache JMeter, Google PageSpeed Insights, Google Lighthouse
Cloud platforms	AWS, Google Cloud, MS Azure
Web-services	REST, SOAP
Scripting languages	HTML, XML, CSS, UNIX Shell Script (BASH), Autohotkey, JSON
Web Technologies	Google SEO, Google Lighthouse, Font Awesome, Responsive Web Design

## Professional Experience

**Foundry4** (Technology Consulting)

**Lead QA** (Contract)

**Feb 2021 – Apr 2021**

**Client** UK Export Finance (UKEF)

**Project** General Export Facility (GEF)

**Methodology** Agile (Scrum)

Performed exploratory and end-to-end testing of UKEF's GEF, a Government Digital Service (GDS) website.

**Tech Stack** Postman API, XRay for JIRA, Figma, Miro, Git, JSON, REST APIs, GOV.UK Design System

<b>Ether Solutions</b> ( <i>RPA Specialist</i> )	<b>UiPath Test Consultant</b> ( <i>Contract</i> )	<b>Sep 2020 – Jan 2021</b>
<b>Client</b> <i>Customs Clearance Consortium (CCC)</i>	<b>Project</b> <i>Trader Support Service (TSS)</i>	<b>Methodology</b> <i>Waterfall</i>
Performed exploratory and end-to-end testing of UiPath robots for customs declaration through TSS and Thyme IT (Ireland).		
<b>Tech Stack</b> <i>UiPath Studio, UiPath Assistant, UiPath Orchestrator, MS SQL Server Management Studio, Postman API, Cleo Harmony, Descartes e-Customs, JIRA, Git, Bitbucket, JSON, XML, REST APIs</i>		
<b>Novoda</b> ( <i>Digital Product Agency</i> )	<b>Android Test Consultant</b> ( <i>Part-time Contract</i> )	<b>Jun 2020 – Present</b>
<b>Client</b> <i>BBC + Google</i>	<b>Project</b> <i>iPlayer on Google TV</i>	<b>Methodology</b> <i>Agile (Scrum)</i>
Performing exploratory and regression testing of BBC iPlayer on Google TV.		
<b>Tech Stack</b> <i>Android TV, Android Studio, ADB, Git, Github, JIRA, Slack</i>		
<b>Ogders Berndtson</b> ( <i>Executive Search</i> )	<b>Test Manager</b> ( <i>Contract</i> )	<b>Jun 2019 – May 2020</b>
<b>Project</b> <i>Salesforce Digital Transformation</i>		<b>Methodology</b> <i>Waterfall + Agile (Scrum)</i>
<ul style="list-style-type: none"> <li>Managed the end-to-end test lifecycle for the digital transformation program moving the existing CRM to Salesforce.</li> <li>Recruited 8 contract staff for the program. Also provided KT to help with their quick on-boarding to the team.</li> <li>Implemented Xray for Jira for test management and BrowserStack App Live for mobile device testing.</li> <li>Managed Jira for the program by creating custom workflows, custom fields, custom dashboards, custom filters, users, and created Confluence wiki pages for tester onboarding, checklists, solution diagrams, etc.</li> <li>Created a Proof-of-Concept using Gauge/Taiko/Node.js for automated testing of the regression pack.</li> </ul>		
<b>Tech Stack</b> <i>Salesforce (Sales Cloud, Community Cloud) Lightning, Daxtra Capture (Salesforce), Daxtra Search (Salesforce), SpringCM for Salesforce, XRay for JIRA, Confluence, MS Visio, MS Project, BrowserStack App Live, Gauge, Taiko, Nodejs</i>		
<b>Career Break</b>	<b>Long-term International Travel</b>	<b>Dec 2018 – May 2019</b>
Took 5 months off to travel South America, with my wife.		
<b>Rail Delivery Group</b> ( <i>Transport</i> )	<b>Test Manager</b> ( <i>Permanent</i> )	<b>Aug 2017 – Dec 2018</b>
<b>Programs</b> <i>LENNON, TLMS, RARS</i>		<b>Methodology</b> <i>Waterfall + Agile (Scrum)</i>
<ul style="list-style-type: none"> <li>Managed the testing lifecycle of three programs RARS (Rail Availability &amp; Reservation Service), LENNON (Latest Earnings Networked Nationally Over Night) and TLMS (Train Location and Movement Service).</li> <li>Helped implement Selenium Webdriver/Cucumber/Node.js for automated regression testing of a BAU project.</li> <li>Helped the Head of QA in recruitment of contract staff for the programs.</li> </ul>		
<b>Tech Stack</b> <i>HP ALM/QC, Jira, Confluence, MS Project, Selenium Webdriver, Cucumber, Nodejs, AWS S3, Apache JMeter, MS VSTS</i>		
<b>Privax Ltd</b> ( <i>Security - VPN</i> )	<b>Head of QA</b> ( <i>Permanent</i> )	<b>Sep 2015 – Jun 2017</b>
<b>Project</b> <i>HideMyAss! VPN</i>		<b>Methodology</b> <i>Agile (Scrum)</i>
<ul style="list-style-type: none"> <li>Managed testing functions across multiple platforms for HideMyAss! (HMA) product.</li> <li>Tested the HMA v3 client for Windows and OSX which was successfully launched in Feb-2016 received exceptionally good customer feedback, with very few production issues.</li> <li>Worked with the AVG team and tested their new client, Safe Surf, in the absence of its QA resource.</li> <li>Suggested use of certain tools, like Burp Suite, to enhance the scope of my testing and finding more issues.</li> </ul>		
<b>Tech Stack</b> <i>TestFlo for JIRA, Confluence, Postman API, Burp Proxy, Jenkins, VirtualBox, VMWare, OpenVPN, Slack</i>		
<b>TATA Consultancy Services</b> ( <i>Telecom BSS</i> )	<b>Assistant Consultant</b> ( <i>Permanent</i> )	<b>Sep 2006 – Aug 2015</b>
<b>Client</b> <i>TalkTalk UK</i>	<b>Project</b> <i>Online (Web, Mobile, My Account)</i>	<b>Methodology</b> <i>Agile (Scrum)</i>
<ul style="list-style-type: none"> <li>Non-functional Test Manager of Online managing security and automation modules.</li> <li>Established secure-SDLC within Online and managed identifying OWASP - Top 10 2013 security flaws.</li> <li>Functional Test Lead for Online with experience of handling project transitions from outgoing vendor.</li> <li>Knowledge of Telecom BSS systems – CRM, OM&amp;P, Billing, and Pricing.</li> </ul>		
<b>Tech Stack</b> <i>Chordiant CRM, Bugzilla, MS SharePoint, Oracle SQL Developer, HeidiSQL, Apica WebPerformance, Trello, JIRA, Confluence, Burp proxy</i>		

**Client** *Vodafone Hutchison Australia*

**Project** *Siebel CRM Upgrade*

**Methodology** *V-Model*

- Managed testing of multiple functional releases in an application upgrade program.
- Managed a team of 20+ associates in performance, production fixes and standalone modules.

**Tech Stack** *HP ALM/QC, Siebel CRM, MS Project, MS SharePoint*

**Client** *Three UK*

**Project** *mSites*

**Methodology** *V-Model*

Performed functional and system integration testing of mobile web sites (mSites) on various mobile devices (Android, Windows Phone OS, Blackberry OS, Symbian, BADA) connected to various downstream systems.

**Tech Stack** *TOAD, Singl.eView Convergent Billing 6.01.12.18, Mercury Test Director, Device Anywhere, HP Load Runner, MS Visio, MS Project, MS SharePoint*

## Academic Achievements

**B. Tech. (Mechanical Engineering) \***

*SASTRA (Deemed University), INDIA*

*2002-2006*

\* Overall 5<sup>th</sup> rank in Mechanical Engineering and received Merit Scholarship for exceptional performance during all four years.

## Certifications

**Certified SAlFe 4 Agilist**

*Scaled Agile Inc*

*Oct 2018*

**OSCP\***

*Offensive Security*

*May 2017, Jun 2018, Aug 2018*

**ISTQB-BCS Certified Tester Foundation Level (CTFL)**

*BCS, The Chartered Institute for IT*

*Aug 2014*

\* Attempted 3 times but learnt a lot during the process, such as,

- Penetration testing methodology which includes information gathering (port scanning, Google hacking), threat modelling, vulnerability analysis (vulnerability DBs, vulnerability scanning), exploitation (Metasploit framework, manual exploits), post-exploitation (privilege escalation), reporting (pen-test report)
- Security testing tools - BURP Proxy, Nmap, Metasploit framework, Netcat, KALI Linux, Wireshark, tcpdump
- Understanding of OWASP – Top 10 2013 security flaws
- Exposure to Common Vulnerabilities and Exposures (CVE) system
- Exposure to Secure-SDLC which includes requirements gathering (security requirements, risk assessment), design (secure design requirements), coding (secure coding practices), testing (vulnerability assessment)

## Public Speaking

**Taiko - Reliable Browser Automation<sup>3</sup>**

*Agile Test/Automation/Meetup VIENNA*

*Sep 2020*

**Taiko - An Introduction<sup>2</sup>**

*Notts Test meetup*

*Aug 2020*

**Taiko - Reliable Browser Automation<sup>1</sup>**

*QA Babble meetup*

*Jun 2020*

<sup>3</sup> Video - <https://youtu.be/5ZORTH2Vmpl>

<sup>2</sup> Video - [https://youtu.be/46Zqt\\_o23Mo](https://youtu.be/46Zqt_o23Mo)

<sup>1</sup> Video - <https://youtu.be/r1ZjfgqSzPU>

**Tech Stack** *NodeJS, Javascript, Taiko, Taiko plugins, Docker, Github, dotenv, NPM, Gauge, Lighthouse, Chrome Dev Tools*

## Projects

**foodGully**

**Co-creator**

**Feb 2021 – Present**

Building a website <https://foodgully.co.uk/>, with friends, to help local chefs deliver food to their customers.

**Tech Stack** *Low-Code tool, Javascript, Google Search Console, Sendgrid, Zoho Mail, REST APIs, Postman, FB Sharing Debugger*

**Charlotte Charles Beauty**

**Creator**

**Jul 2020 – Aug 2020**

Built a static website, <https://charlottecharlesbeauty.com/>, from scratch for a colleague's daughter.

**Tech Stack** *W3.CSS, Font Awesome, Netlify, Javascript, Google Search Console, Github, Dynadot*

## Interests

- Active participant in the *Ministry of Testing* Slack channel - <https://ministryoftesting.slack.com/>
- Regularly attend QA meetups and webinars
- Love trying new things. The list so far consists of *public speaking, skydiving, scuba diving, paddle boarding, running a vertical kilometer, cycling London to Paris in 24 hours, building my own website, learning automation from scratch, getting a UK Ham radio license, and learning DevOps tools (Docker, Git, Github, Terraform, Jenkins)*
- Podcast co-host - *Tech Talk with Amit & Rinat* - <https://techtalk.captivate.fm/>