

RICK SCHUBERT

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Automation Engineer and Developer

PROGRAMMING EXPERIENCE

- Years of programming experience, both commercially and on own projects
- Dominant programming languages: TypeScript/JavaScript in commercial settings; Golang in private projects
- Great expertise in automated testing and DevOps from past roles; now looking to transition into backend development
- Author of the testing libraries mock-request (soon to be made open-source), jest-json-schema-extended and nock-proxy (both open-source)

Programming languages	Tools
JavaScript / TypeScript / node.js	Docker
Golang	Linux
bash	Git
HTML/CSS	React
Python	Jenkins
Groovy	AWS (Lambda, S3, CloudWatch, API Gateway, EC2)
Java	GraphQL
	REST
	PostgreSQL
	MongoDB

WORK EXPERIENCE

- September 2018 – Today Senior Software Development Engineer in Test / DevOps
Tray.io, London
- Built from scratch an extremely performant end-to-end test framework using TypeScript (superset of JavaScript) and WebdriverIO/Selenium
 - Makes use of API calls and other shortcuts to speed up the testing process
 - Detailed reports
 - Heavily parallelised on the CI system with docker
 - Cucumber
 - Page object pattern
 - Heavily involved with CI processes: built, maintained and improved release and test pipelines
 - Contextual stages (only run stage A if files of type X changed; only run tests for files that have changed)
 - Exposes many notifications in our company messaging systems and user interactions attached to these, such as retries
 - Tools: Jenkins, Docker, Linux, bash, Groovy, git
 - Built from scratch a comprehensive API test framework in TypeScript which accesses REST APIs and GraphQL APIs
 - Built from scratch the testing library mock-request (soon to be open-sourced) to be consumed by frontend unit tests to mock network requests easily, integrates with contract testing
 - Built contract testing framework from scratch

January 2018 – September 2018	<p>Test Engineer <i>Arcadia</i>, London</p> <ul style="list-style-type: none"> ▪ Created highly performant and extremely stable browser test suite using Selenium/WebdriverIO <ul style="list-style-type: none"> ○ 85% contribution rate ○ Customisable: runs on desktop and mobile viewports, works against all 7 Arcadia brands ○ Smart setups: pre-test creation of user profiles and gathering of test products via API ▪ API tests <ul style="list-style-type: none"> ○ Polished and resurfaced 1 year abandoned/dysfunctional API suite ○ Very stable, 0% non-genuine error rate ▪ UI Integration tests <ul style="list-style-type: none"> ○ Created a UI integration test suite completely from scratch, using Cypress ○ 75% contribution rate ○ Mocks all network requests - high stability ▪ CI/Jenkins <ul style="list-style-type: none"> ○ Helped integrate test suites into Jenkins jobs with Docker
May 2017 – January 2018	<p>QA Specialist <i>Arachnys</i>, London</p> <ul style="list-style-type: none"> ▪ Created a web application from scratch to track the weekly team progress ▪ Updated browser test suite ▪ Continuously identified issues around the app and improved testing processes ▪ Performance testing ▪ Enforced code standards
December 2015 – May 2017	<p>QA Specialist <i>Williams Lea Tag</i>, London</p> <ul style="list-style-type: none"> ▪ Automation of processes for the entire account (developed more than 20 custom desktop applications) ▪ <i>Exceptional Award</i> in the category of <i>Exceptional Ideas and Solutions</i> ▪ Established new and restructured existing processes ▪ Reference point for technological innovation ▪ Raised client satisfaction ratings ▪ Meticulous attention to detail across each brand
May 2012 – May 2015	<p>Editor at I-FAS (Scientific research department at <i>Chemnitz University of Technology</i>, "Interdisciplinary Centre for Advanced Driver Assistant Systems")</p>
October 2014 – February 2015	<p>Lecturer, Postgraduate Seminar (<i>Tutorium</i>) <i>Chemnitz University of Technology</i></p>
September 2008 – May 2009	<p>Community service in work factory for people with learning disabilities <i>Lebenshilfe Chemnitz e.V.</i></p>

EDUCATION

2009 – 2015	<p>Master of Arts, Linguistics and Literature <i>Chemnitz University of Technology</i></p> <ul style="list-style-type: none"> ▪ Distinction
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LANGUAGES

German	Native level
English	Fluent
French	Intermediate