

TOM JOHNSON

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Software engineer looking for a challenging new role. Strong track record of working across the full stack to convert business requirements into performant, scalable and well-tested code with modern deployment best practices and development methodologies. Extensive experience working with stakeholders, including technical and non-technical. Skilled at communicating and building positive mentoring relationships.

Skills: ES6+ JavaScript, TypeScript, React, Redux, Jest, node.js, SASS, HTML, Postgres, SQL, Go, Kubernetes, AWS, GCP, Terraform, Ruby and Rails, Jenkins, Linux, Docker, CI/CD, Redis, gRPC.

Experience

Feb '20 - now	Backend developer (contract) , Palatinate Tech
	<ul style="list-style-type: none">Enabled roll-out of mobile app by architecting, designing and implementing a Go gateway API to coordinate multiple backend services. Responsibilities also included adding new RESTful endpoints and functionality to a legacy Rails 2 monolith on CouchDB. Interfaces defined and enforced via OpenAPI and contract testing with Pact.
Sep '18 - Jan '19	Full-stack engineer (contract) , Koru Kids
Additional remote contract Jun - Aug '19	<ul style="list-style-type: none">Improved user engagement and completion rates by building a chat interface and performant, responsive user flows using React and Tachyons. Covered full stack from cross-browser support and performance optimisation to Rails API and SQL queries in Metabase. Worked with designers and product owners in an agile team, practising TDD.Built reply-by-email messaging infrastructure on AWS, deployed via Terraform, using SQS and JS lambda functions. Included automated CI/CD pipeline using CircleCI.
Mar '18 - Sep '18	Full-stack engineer , Mixlr
	<ul style="list-style-type: none">Built a distributed streaming platform with a Rails API and Go/node.js microservices. Time-sensitive communication with C++ client via Websockets backed by Redis.For improved reliability built the infrastructure and deployment pipeline with Terraform on AWS, including streaming servers, ECS and bare-metal Kubernetes.
Feb '17 - Feb '18	Full-stack developer , Palatinate Tech
	<ul style="list-style-type: none">Improved UX for team managing core business data by delivering a highly performant app (using Vue.js backed by a new gRPC API written in Go) to replace slow, legacy system. Heavily involved in project design. Deployed to a Kubernetes cluster on GCP.Prior to that I maintained a Rails app, gathering requirements from internal teams and delivering a substantial number of iterative improvements.
2012 - 2016	Private Secretary to Secretary of State , DECC
	<ul style="list-style-type: none">Led coordination and communication between SoS, No. 10, HM Treasury, Cabinet Office and policy teams in several key policy areas. Also had policy roles in DfT.

Education and personal

2011 - 2012	MA (Distinction) Politics, Security and Integration, SSEES, UCL
2007 - 2011	BA (2:1) Russian and Spanish, Merton College, University of Oxford

I spent 2019 travelling abroad with my wife, during which I wrote *The Computer Science Book*, an introduction to computer science for bootcamp graduates and self-taught developers. Keen interest in computer science.