

Daniel Patterson

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Employment

March 2017 - Present	Administrate , Edinburgh - <i>Software Developer</i> <ul style="list-style-type: none">• Worked on a greenfield Dockerised Node.js microservice alongside several existing Python web servers• Contributed to a GraphQL API written in Java 8• Used AWS CloudFormation and CircleCI to set up continuous deployment of several microservices• Responsible for organising demos from all of Engineering to the rest of the company• Lead Engineering workshops on new JavaScript features
July 2016 - March 2017	Sumdog Ltd , Edinburgh - <i>Web Architect</i> <ul style="list-style-type: none">• Responsible for the overall architecture and performance of Sumdog's website and microservices• Involved in planning of any major change to server or database design• Regularly code-reviewed other developers' work• Designed and built an Angular 2 tool to construct and modify online courses
September 2014 - June 2016	Sumdog Ltd , Edinburgh - <i>Software Developer</i> <ul style="list-style-type: none">• Full-stack development role using Ruby on Rails, Scala, SQL, JavaScript, TypeScript and CoffeeScript• Significant experience developing JSON APIs and Angular (1 and 2) frontends• Used Test-Driven Development and followed agile methodologies• Built customisable reports and class controls in Angular for an online educational environment

Education

September 2010 - June 2014	University of St Andrews - <i>First Class BSc in Computer Science</i> <ul style="list-style-type: none">• Built a Node.js program to generate 3D-printable gear trains• Experience in human-computer interaction, artificial intelligence and agile methods• Coursework primarily in Java and JavaScript, with introductions to C, Python and Haskell• Awarded the John Honey Book Prize for best overall student in Third Year, medals for performance in Third and Fourth Years and the Netcraft Prize• Achieved the Dean's List Award every year for academic excellence
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Projects

R & D travel	A blog built using React, GraphQL and Ruby on Rails covering five months I spent traveling in South East Asia and South America (www.rndtravels.com)
weather-type	Several JavaScript libraries to collectively parse and quantify weather descriptions, then convert them to SVG images (<i>npm: weather-type, weather-type-icons</i>)
Score Card	An event-source progressive web app to enable recording scores in a variety of games using both a React-powered frontend and an Amazon Alexa Skill. (<i>GitHub: dp28/scorecard, App: https://card-scores.herokuapp.com/</i>)