

# Daniel Patterson

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## Employment

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

## Education

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| September 2010<br>-<br>June 2014 | <b>University of St Andrews - <i>First Class BSc in Computer Science</i></b> <ul style="list-style-type: none"><li>• Built a Node.js program to generate 3D-printable gear trains</li><li>• Experience in human-computer interaction, artificial intelligence and agile methods</li><li>• Coursework primarily in Java and JavaScript, with introductions to C, Python and Haskell</li><li>• 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</li><li>• Achieved the Dean's List Award every year for academic excellence</li></ul> |
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## Projects

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| 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<br>( <a href="http://www.rndtravels.com">www.rndtravels.com</a> )   |
| weather-type | Several JavaScript libraries to collectively parse and quantify weather descriptions, then convert them to SVG images<br>(npm: weather-type, weather-type-icons)  |
| 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.<br>(GitHub: <a href="https://github.com/dp28/scorecard">dp28/scorecard</a> , App: <a href="https://card-scores.herokuapp.com">https://card-scores.herokuapp.com</a> ) |