

# Daniel Patterson

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## Employment

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March 2017 - Present	<b>Administrate</b> , Edinburgh - <i>Software Developer</i> <ul style="list-style-type: none"><li>• Contributed to GraphQL APIs written in Python and Java 8</li><li>• Worked on a greenfield Dockerised Node.js microservice alongside several existing Python web servers</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>• Led Engineering workshops on new JavaScript features</li><li>• Automated set up of test servers, saving developers time for every manual test</li></ul>
July 2016 - March 2017	<b>Sundog Ltd</b> , Edinburgh - <i>Web Architect</i> <ul style="list-style-type: none"><li>• Responsible for the overall architecture and performance of Sundog'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 - June 2016	<b>Sundog Ltd</b> , Edinburgh - <i>Software Developer</i> <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 - June 2014	<b>University of St Andrews</b> - <i>First Class BSc in Computer Science</i> <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 ( <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 ( <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: <a href="https://github.com/dp28/scorecard">dp28/scorecard</a>, App: <a href="https://card-scores.herokuapp.com/">https://card-scores.herokuapp.com/</a></i> )