Daniel Patterson

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GitHub: github.com/dp28
npm: npmjs.com/~dp28

Employment

InsightSquared
Boston, USA

Software Engineer | *Mar 2019 - Current*
- Helped build greenfield **Python 3.6+** RESTful APIs using **Serverless** and **AWS Lambda**
- Integrated legacy **Django** cookie-based authentication and OAuth token-based authentication with SAML through AWS Cognito
- Built and monitored a replication system to continuously move data from a transactional **Postgres** database to an analytics **AWS Redshift** database
- Interviewed candidates for developer positions, from Interns to Senior Software Engineers

Administrate
Edinburgh, UK

Software Developer | *Mar 2017 - Feb 2019 (including 6 months pre-planned break to travel)*
- Contributed to **GraphQL** APIs written in **Python** and **Java 8**
- Worked on a greenfield Dockerised **Node.js** microservice alongside several existing **Python** web servers
- Used **AWS CloudFormation** and CircleCI to set up continuous deployment of several microservices
- Responsible for organising demos from all of Engineering to the entire company
- Led Engineering workshops on new **JavaScript** features

Sumdog Ltd
Edinburgh, UK

Web Architect | *July 2016 - Mar 2017*
- 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
- Migrated a crucial static data structure to a versioned, updatable model

Software Developer | *Sept 2014 - June 2016*
- Full-stack development role using **Ruby on Rails**, **Scala**, **SQL**, **JavaScript**, **TypeScript** and **CoffeeScript**
- Used Test-Driven Development and followed agile methodologies to build RESTful APIs and **Angular** front ends

Education

University of St Andrews
UK

First Class BSc in Computer Science | *September 2010 - June 2014*
- 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 Dean's List Award in all four years

Projects

Upscale

A Chrome extension and React-based website to simplify cooking using online recipes.
(*recipes.djpdev.com*)

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*)

Score Card

An event-sourced progressive web app to enable recording scores in a variety of games using both a **React**-powered frontend and an **Amazon Alexa** Skill.
(*GitHub: dp28/scorecard, App: card-scores.herokuapp.com*)