Jeremy Austin Clewell

Full Stack Software Engineer

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Qualifications

- Experience with entire software development life-cycle, architecting scalable platforms, database design/optimization and agile methodologies
- Thrive in a distributed, collaborative development environment using Git/Github, Slack and Zoom for primary communication
- Success in transforming model-based, machine-learning prototypes handed off from Data Scientists into real-world applications
- Deep understanding of HTTP methods, RESTful architecture, both implementing and consuming custom APIs
- Experience developing for/in AWS cloud platform, Vagrant (VMWare/VirtualBox), Docker
- Ever-focused on end-to-end security, from the hardening of API endpoints to securing their front-end consumers

Technical Focus

- **Javascript**
  - ECMAScript 2016, ECMAScript 2017, Node.js
  - *Libraries/Frameworks:* React/Flux, Angular, D3, HighCharts, Moment, LoDash, etc.
  - *Build/Test tooling:* Webpack, Babel, Gulp, Grunt, ESLint, Prettier, Jest, Mocha
- **Python**
  - 2.7, 3.7
  - Django, Django Rest Framework, Flask
  - Numpy, ScypPy, Pandas, Matplotlib, Jupyter Notebooks, IPython, BPython
- **Datastores**
  - MySQL, PostgreSQL, SQLite, MongoDB, AWS DynamoDB, AWS Redshift, AWS S3
- **HTML5/CSS3**
  - Bootstrap, Sass, Less
- **Git/Github**
- **Linux**
  - CentOS, Debian, Ubuntu

Experience

Monetate – *2014-current*

Software Engineer (product)

- Core member of a small dev-team that launched Monetate's first real-time, model-based, machine-learning, predictive products. These products drove Monetate to the forefront of the intelligent personalization market. (Python, AWS Kinesis, Apache Spark, Django, React)
  1. Optimized A/B/N testing delivered via a non-contextual, multi-armed bandit

2. Individually personalized experiences delivered via a contextual, multi-armed bandit
- Developed highly interactive, real-time analytics products for both of Monetate's machine-learning offerings (DRF, Druid, React)
- Contributed to products allowing for first party data to be utilized in Monetate's personalization software
- Significant contributor to a re-write of the platform's data ingestion process (Python, Apache Solr)
- Migrated primary platform database (MySQL) from ISO-8859 to UTF-8 codeset in production with zero down time
    - Consisted of evaluating toolsets and developing reasonable benchmarks to mitigate risk, as well as vetting the proposed procedures

Monetate – *2013-2014*

Frontend Engineering Director

- Managed and mentored team of 4-6 frontend engineers
- Acted as technical team lead and liaison to client services for a large subset of retail clients
- Hosted weekly learning sessions and fostered an environment of personal and professional growth
- Helped drive the Monetate Platform to influence over 1/3 of online, black-friday purchases nationally

Monetate – *2012-2013*

Javascript Engineer/Lead Javascript Engineer

- Wrote defensive, execution-time constrained, highly-optimized Javascript modules and hardened existing processes to confidently deploy into high bandwith environments, ultimately serving millions of monthly unique sessions. Annual page views were well into the tens of billions
- Core contributor to internal Javascript library that drove collection of client metrics and delivery of realtime personalized behaviors and A/B/N testing campaigns to 200+ retailer's websites, including but not limited to: Best Buy, Brook's Brothers, New Egg, Hot Topic, Office Depot, J. Crew, Patagonia, The North Face

Independence Blue Cross – *2006-2012*

Senior Interactive Developer

- Operated as lead developer within the Multimedia/Interactive – Communications division
- Responsible for all facets of front-end, kiosk and multimedia development
- Drove frontend development for IBC's flagship website, netting 30k unique visits monthly
- Provided technical guidance to the marketing and content teams