Mark Lyons
Software Engineer – New York, NY

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Skills

Python, Java, C#/.NET, AWS, Android, Kotlin, Node.js, React, Angular, Vue, React Native, Flutter, Dart, Swift/iOS, jQuery, Ext JS, C, Ruby, PHP/Hack, HTML, CSS, JavaScript, MySQL, Postgres, WordPress, git, Mercurial, gRPC

Education

University of Maryland, College Park B.S. Computer Science, May 2018

Experience

Software Engineer (May 2022 – May 2025) – **Meta**
- Quickly ramped up in professional Android development for the Instagram Subscriptions product.
- Responsible for the Android side of numerous growth projects that led to improvements in subscriber count, creator count, monetizing creator count, and retention for both customer segments.
- Later joined the Profile team where we are responsible for all Instagram Profile functionality.
- Supported key bets dictated by leadership, built appropriate tests for these features, and designed a testing strategy to validate hypotheses.
- Identified opportunities and optimized several pieces of Profile functionality, leading to large cost savings on server endpoint use.
- Rewrote one of our largest single legacy files (12,000 LOC) in a Java to Kotlin conversion.
- Mentored junior Android developers and contributed to the development of best practices for code review, testing, and deployment.

Software Engineer (September 2019 – April 2022) – **T. Rowe Price**
- Led front-end and back-end redevelopment of a legacy web application in C#/.NET and Angular that supported traders and enabled them to accurately report trade information.
- Contributed to development of a suite of REST and gRPC services and automated processes that supported business critical trading analytics processes and informed trading decisions.
- Communicated with business partners and Enterprise Software Support teams in resolution of time-critical issues affecting processing of business data related to trade cost analytics.
- Led front-end and back-end development of an administration site that allows Enterprise Software Support teams to rectify certain issues in real time without having to page out to our development team.

Software Engineer - (September 2018 – September 2019) - **Lascar Electronics**
- Developed a Javascript-based front-end for the dashboard of the EL-SIE, a new line of data loggers. • Led development of second-generation flagship iOS app for Lascar's data loggers, resolving 70 critical issues including a transition to Swift 4.
- Developed a real-time sales analytics dashboard with HTML, jQuery, and PHP for the company intranet which also automatically sent out periodic updates over email via cron script.

Projects

ZCarGuide – zcarguide.com – (May 2017 – present)
- ZCarGuide is a knowledge base for the Datsun/Nissan Z-car line of cars offering information on repairs, pricing, buying and selling, parts and tools, history, and more.
- The site is primarily monetized through affiliate marketing and parts sales (shop.zcarguide.com). • Developed relationships with 15 suppliers to maintain a catalog of 93 products.
- To date, the site has sold over $250,000 worth of parts to a worldwide customer-base.

For more information on some of my other projects, please visit marklyons.github.io