

KIRON ROY

732-241-1722 // kroy.xc@gmail.com // github.com/kroy

ABOUT ME

I'm a web developer with wide ranging experience over 5.5 years in the industry. I've spent the bulk of my time at Etsy, where I worked all over the stack, from server configuration, to DB schemas, to the frontend. I'm curious, thoughtful, and passionate about working with people to solve difficult problems. I love thinking about how tech can be used as a tool to pick away at injustice - and when it needs to take a back-seat to other things.



Programming Langs php, Javascript, Java



Web React, Ruby on Rails, JQuery, HTML, CSS



Datastores MySQL, Vertica



Education BA in CS and Math, Oberlin College, 2011

EXPERIENCE

- Etsy** **Software Engineer** php // React **Aug 2014 – Aug 2018**
Developed features for Etsy.com, working on most parts of the stack
Collaborated with designers, product managers, and stakeholders
Prototyped, built and iterated on features for internal teams and Etsy Sellers, running A/B tests, analysing user data by writing map-reduce jobs on Hadoop, responding to feedback from users, and producing tested, easily-maintainable code
Monitored my team's critical features on Etsy.com and responded to outages using a variety of log-aggregation, graphing, and alerting tools (graphite, logstash, nagios)
Deployed code up to multiple times per day, moving it through build, automated QA, pre-prod and production
Participated in post-mortems and proposed remediation items
Taught non-technical teammates to access our analytical data stores
Projects include:
a push-notification framework responsible for scheduling and sending tens of thousands of notifications per day
analysis and cleanup of Etsy's marketing data pipeline
a React app to help build marketing emails sent to millions of subscribers
Canada Post shipping labels for Etsy Sellers
rearchitecture of the pre-calculated shipping interface
- Freelance** **Web Developer** php // js **Jan 2014 - Aug 2014**
Worked with clients to design, build, deploy, and maintain websites and webapps
Communicated clearly and effectively with clients
Used and learned the tools required to accomplish the client's goals
- Accenture** **Java Engineer** Java // Spring **2012 – May 2013**
Developed web applications for government clients
Supported post-production operations and maintenance of high-demand, high-availability websites
Translated high-level requirements provided by a non-technical client into working code
Mentored new hires and acted as a subject matter expert to coworkers

REFERENCES

Bertrand Moulard // Manager at Etsy // 917 214 0977 // Bertrandmoulard@gmail.com
Maria Hernandez // Mentor at Etsy // 718 877 1520 // nandez@etsy.com
Carlos Riojas // Manager at Accenture // Carlos.A.Riojas@accenturefederal.com

HOBBIES

I climb, take photographs, print them in the dark-room, read about the US Intelligence apparatus, fix bikes, and write about my Indian family.

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To Whom it may concern,

A few years after 9/11, as Haliburton and the TSA were introducing their millimeter wave scanners to the travelling public, I started noticing the topic of airport security coming up strangely often at family gatherings. "Make sure you get to the airport extra early," my Indian family members would joke, "just in case you get randomly selected for an extra screening." We'd all laugh, yet somehow my family, which has never had a reputation for punctuality, started showing up early for flights.

Despite our concerns, we really didn't have much to worry about. We weren't at risk of deportation, violence, or even anything more than a three minute pat-down and swab. Still, it felt wrong, and it made me more receptive to the idea that servants of justice aren't blind, that they might have forgotten to tare the kitchen scales of justice. Why else would I, with my light skin and American mannerisms, slip through security un-examined, while my father was selected almost every time?

Meanwhile, I went off to college, got a CS degree and a couple of jobs, blissfully free of major legal issues or fears that a minor brush with the law would turn deadly. I was able to explore my curiosity and build my technical skills. I developed into a versatile software engineer comfortable diving into a problem, asking questions, and learning something new. I have opinions, but I'm not dogmatic. I'm optimistic, but with a healthy dose of skepticism. I love hearing perspectives that are different from mine.

When I started at Etsy in 2014, it was the height of the golden age of data. We felt like anything and everything could be solved with data. It was a pretty unrefined perspective, to be frank. You might use data to A/B test yourself into the perfect color for a specific button, but it takes a much more sophisticated method to move past a local maximum, and to understand how users interact with your website at a more macro level. Not to mention that data isn't going to tell you if a color-blind person can even read the text on your optimally-colored button.

Nevertheless, this fascination with data pushed advances in the art of moving, parsing, and storing huge amounts of data, both at Etsy and in the tech industry in general. And there were times when all that machinery facilitated some amazing insights. I learned to temper my enthusiasm for data for its own sake. I started to understand that watching a graph go up is not the same as making something meaningful change.

Everything I've heard about the Center for Policing Equity indicates that you've already reached that conclusion. Data-collection, and its attendant technologies, is one tool among many to be used to solve a problem. Data on how and when police use force is important to collect and analyse. But so is understanding the subjective experience of people who feel threatened by members of service. I'd like to work with you and apply my experience as an engineer to make daily life a bit more livable for people whose unpleasant run-ins with the institutions of justice aren't confined to the airport security line.

Sincerely,
Kiron Roy