JAKE SCHWARTRZ

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SUMMARY

Interested in data pipeline and backend development with Scala, search using Elasticsearch, maximizing productivity and food trucks.

SKILLS

Languages & Frameworks	Scala, Java, Apache Storm, Python
Software & Tools	Elasticsearch, MongoDB, Redis, DynamoDB, Docker
Other	AWS, Git, CircleCI, Postman

WORK EXPERIENCE

Zignal Labs   Remote
Platform Engineering Manager   *Sept. 2020 - Present*

· Managed a team of 5 engineers.
· Defined and accomplished quarterly OKRs based on company goals
· Managed sprint processes, from planning and estimating to assigning tasks and tracking developer metrics.
· Collaborated with stakeholders and contributed to product requirements.
· Contributed code when needed.

Zignal Labs   Remote
Lead. Software Engineer   *May. 2019 - Sept. 2020*

· Concentrated on standardizing, documenting and reducing as much of the sprawling code base as possible.
· Replaced systems with newer and more efficient technologies like Akka Streams and AWS Lambda.
· Planned and implemented larger data processing systems to allow for platform growth.
· Standardized web framework under common library.
· Promoted initiatives to improve documentation, code coverage, integration tests and code style.

Zignal Labs   Remote
Senior Software Engineer: Search & Analytics   *Oct. 2017 - May. 2019*

· Focused on improving search using Elasticsearch, including schema and query optimizations, major version migrations and performance tuning.
· Mentored junior team members, replaced legacy architecture and improved documentation.
· Planned, architected and implemented numerous major epics, both product focused and engineering initiatives.
· Improved team productivity by speeding up CircleCI builds, adding code coverage metrics and customizing an SBT plugin to aid with releases.
· Contributed and communicated effectively as a remote member of the team.

Zignal Labs   San Francisco
Software Engineer   *Sept. 2015 - Oct. 2017*

· Implementation and testing of new features for the backend REST APIs.
· Developed and tested several key features for the data pipeline running in Apache Storm.
· Created the first tests for the backend search API against Elasticsearch.
· Advised the backend engineering team's transition into a more rigid agile and release process using GitFlow.

Elbrys Networks   Portsmouth, NH
Software Engineer   *Jan. 2014 - Sept. 2015*

· Worked alongside the engineers at Tallac Networks on their cloud-managed networking solution.
· Assisted in developing, supporting and architecting a backend solution, written in Scala, that collected streams of data, automated operations.
· Performed MongoDB migrations, index optimizations, and scaling through sharding.
· Resolved both errors and performance issues that improved responsiveness at application and database layers.
· Scaled system to handle over a thousand access points constantly communicating with the backend.
· Assisted with DevOps duties to maintain good overall system health.

Elbrys Networks   Portsmouth, NH
Intern   *Jun. 2010 - Sept. 2013*

· During the summer breaks, I worked on their mobile fitness apps, health data aggregation platform, and corresponding mobile SDKs.
· Helped create and launch company's first iOS and Android app.
· Assisted in designing and developing mobile SDKs to record and send health data from the mobile device to the cloud.
· Learned about the Agile methodology and contributed to company's first Agile team.
· Integrated with several 3rd party APIs, including Fitbit, RunKeeper, Wahoo Fitness and Withings.

EDUCATION

University Of New Hampshire   Teaching Assistant
M.S. in Computer Science   *Sept. 2012 - Dec. 2013* Durham, NH

University Of New Hampshire   Magna Cum Laude; University Honors
B.S. in Computer Science   *Sept. 2008 - May. 2012* Durham, NH