Dovid Kopel

Technology Leader, Technologist & Architect

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Executive Summary

Driving technology transformation & enhancing business capabilities with strong leadership, ingenuity, and passion

- Understand the current state, evaluate, disrupt and change, build the new gold standard
- Build a net of trust and support across teams and organizations, enabling them to pivot and adapt
- Create a culture of passion and creativity while always raising the bar of excellence

A self-taught, passionate technologist who began his journey with technology as early as 2 years old with 20 years of experience. An expert in technology, computer science, big data, and enterprise architecture. A technology leader, open source evangelist, thought leader, and hands-on architect and engineer.

Worked in many industries and is capable of quickly grasping domain knowledge as needed without formal training. A self-starting leader that knows how to rally the troops and get things done. Possessing a proven track record of successfully enabling organizations to adopt the best technologies for their specific needs.

Experience

- **General**
  - Well-versed in a multitude of open-source languages (polyglot), databases, operating systems, queuing/messaging systems, and other high-end enterprise technologies
  - Experienced in designing large system architecture from software components, languages utilized, deployment considerations, and environmental conditions capable of scaling infinitely under high utilization.
  - Experience with Big Data (petabytes), ETL, Stream processing, business workflows (BPMN) and rules/knowledge engines
  - Experience with designing systems with a security-first mentality
- **Languages & Frameworks**: Java, Python, Golang, Typescript, Scala, Spring Framework, PHP, Ruby, Rust, Angular, React, NodeJS, C, C++
- **Databases & Storage Solutions**: PostgreSQL, Aurora, MySQL, MongoDB, OrientDB, Neo4j, Elastic Search, Hadoop, HDFS, S3, Gremlin, DynamoDB, Kinesis, Kafka, DynamoDB
- **Other technologies**: AWS, IAM, SAML, RDS, LDAP, Lambda, Spark, RabbitMQ, Hazelcast, Docker, Redis, jBPM, Drools, Hibernate, Blockchain, Textract, OCR, Gremlin, Hyperledger Fabric, REST, GraphQL, StepFunctions, AI, LLM

Career Trajectory

B2B Mobile Auction, Baltimore, MD (12/2023 - Current) - Chief Technology Officer (Hands-on)

- Led a team of engineers to provide technology services for a multi-million dollar company
- Provide architectural guidance in shaping the vision of the technology for the company
- Designed and implemented system that provides real-time insight into all aspects of the company (operations, financial, inventory, sales, etc.)
- Eliminated duplicate efforts and redundancy, fortified single points of failure and known weak spots.
- Utilized several AI technologies to streamline operations, reporting and engineering

Common Securitization Solutions, Bethesda, MD (8/2020 - 11/2023) - Principal Architect, Software & Cloud (Hands-on)

- Worked with business leaders to understand business requirements and help them understand how technology tradeoffs influence strategy.
- Mentored and led teams with strong and decisive technical direction.
- Developed and implemented architecture standards and methods (solution patterns), maintain and improved solution patterns over time.
- Led effort in evaluating Blockchain technologies, what they can do, and what they would be best suited for
- Created a prototyping AWS environment by automating AWS Organizations, Workspaces

Technologies include: Golang, Java, Typescript, Python, AWS, Lambda, RDS, OCR/Textract, DynamoDB, S3, StepFunctions, Gremlin, PostgresSQL, Docker, Hyperledger Fabric, Blockchain, Vendia

B2B Mobile Auction, Baltimore, MD (7/2018 - 8/2020) - Principal Architect, Technology Leader

- Transformed the organization that had only QuickBooks and Excel into using a central application that had all aspects of the business connected to it. Resulting in boosts in performance and decreases in costs.
- Designed cloud-first initiative putting all resources in the cloud with scalability and redundancy as opposed to the original manual system.

- Designed and implemented system that provides real-time insight into the company
- Eliminated duplicate efforts and redundancy, fortified single points of failure and known weak spots.

Technologies include: Java, AWS, Docker, PostgreSQL, Hibernate, Spring Framework, AngularJS, AWS Lambda, Python

Babyscripts, Washington DC (2/2017 - 6/2018) - Chief Technology Officer (Hands-on)

- Worked with CEO and board to optimize technology strategies company-wide.
- Oversaw architecture, technologies, and overall development and maintenance of our technology products.
- Design, strategize and shape and ultimately decide on the technologies used in the organization; their implementation and how they are configured.
- Research and develop strategies and technologies to help us achieve our mission and benefit our organization internally or otherwise.
- Revamped platform architecture and implemented core system resulting in increases in velocity of development by several orders of magnitude.
- Improved system stability from less than 70% to 99.99%.

Technologies include: Java, AWS, Docker, PostgreSQL, Hibernate, Spring Framework, AngularJS, AWS Lambda, Python

FINRA, Rockville, MD (4/2016 - 2/2017) - Principal Software Architect, Development Services

- Mentored around 250 people with workshops, lectures and frameworks.
- Revamped several tools and approaches yielding over 500% decrease in time testing.
- Led the effort to switch to containerization, gave in-depth analysis and proposal to C-level executives.
- Design and led effort to develop framework for generating and validating petabytes of pseudo random data to scale.

Technologies include: Java, AWS, Docker, PostgreSQL, Hibernate, Spring Framework, AngularJS, AWS Lambda, Python

CyberPoint International, Baltimore, MD (6/2014 - 4/2016) - Senior Architect

- Responsible for the architecture as well as implementation of many major system components. Including data persistence, data processing, and externally faced APIs and the dynamic intelligent workflow system.
- Having to handle multiple technologies and platforms as the product continues to grow and mature.
- Lead the effort to select a new technology for the data storage engine that DarkPoint runs on. Vetted a half a dozen options tearing them apart and rapid prototyping.
- Worked first hand on architecting a forensic analysis system that was utilized by the NSA

Technologies include: Java, Docker, RabbitMQ, PostgreSQL, OrientDB, ElasticSearch, Riak, Hibernate, Spring Framework, AngularJS, BPMN, jBPM

Raffle Ready - Baltimore, MD (6/2012 - 2014) - Software Engineer

- Provided technical solutions including server deployment and custom page design tools to enable organizations to manage their event. Organizations can manage accounting, contributors, fundraisers, and transactions.
- Enterprise server deployment with high availability, replication and performance.

Technologies include: Java, PHP, jQuery, AngularJS, S3, MongoDB, AWS, Redis, Apache, PayPal, Stripe, Intuit, Authorize.net

CopiesAmerica.com, East Meadow, NY (2004 - 2014) - Software Engineer

- Created technical solutions, for an expanding printing/copying enterprise. Utilizing advanced server deployment, with high availability and duplication.
- Highly available with load balancing and redundancy. Advanced analytics and reporting capacity. Automatically adjusted loads to anticipate utilization.

Technologies include: Java, jBPM, PHP, MySQL, jQuery, and Apache, OpenStack, Amazon AWS S3.

Education

- Bachelors TL, NIRC, Baltimore, MD (2009)
- Masters TL, NIRC, Baltimore, MD (2011)