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## **Enterprise Product Support Engineering, Elastic**

*October 2022 – Present*

- **Solutions Architecture:** Advised on production-scale distributed system architectures for complex data challenges (load distribution, performance/throughput optimization, orchestration). Distinguished between infrastructure constraints and architectural inefficiencies, worked with customers to design systems that could handle their data.
- **Customer Engagement:** Guided technical stakeholders through complex implementation projects including large-scale data migrations, restricted environments (eg, air-gapped). Gathered data to help customers push past large scale managerial friction.
- **Technical Enablement:** Authored customer-facing documentation and implementation guides, including the canonical disaster recovery playbook for Elastic Cloud Enterprise deployments.
- **Full-Stack Execution:** Worked across a broad product suite (Elasticsearch, Kibana, Logstash, APM, Enterprise Search) to architect data pipelines all the way from implementation, to ingestion, to search, to visualization.

## **Private Tutoring, AbbottLearning**

*August 2020 – October 2022*

- **Business Development:** Ran a private tutoring service with a recurring monthly revenue of \$3,000, catering to 20 clients, handled all aspects of business operations, including client relations, scheduling, and accounting.
- **Teaching (and Entertaining):** Designed bespoke tutoring programs in mathematics and computer science, which also meant making things FUN (especially for younger students), or at least interesting

## **Internship: Software Engineering, ClearDATA**

*May 2016 – July 2016*

- **UI/UX Enhancement:** Redesigned internal monitoring dashboard using JavaScript and AngularJS, adding advanced search and filtering capabilities that improved operational efficiency by 40%
- **Component Architecture:** Built reusable UI components for data visualization and virtual machine endpoint queries, focusing on intuitive design and responsive layouts
- **User-Centric Development:** Gathered feedback from DevOps teams to iterate on interface design, ensuring the tool met real user needs

## **Internship: Software Engineering, ClearDATA**

*May 2015 – August 2015*

- **API Development:** Designed and implemented REST API using .NET/C# with standardized JSON/XML outputs, similar to GraphQL resolver patterns
- **Full-Stack Integration:** Exposed API data through Python Flask webapp, demonstrating ability to work across the entire application stack
- **Long-Term Impact:** API remained in production use for two years, supporting critical DevOps automation

## Undergraduate Research, Washington University, St. Louis

*May 2017 – August 2017*

- **Batch Active Search:** Developed AI algorithms for active learning framework, demonstrating analytical skills
  - **Outreach:** Presented findings to technical and non-technical audiences, showing communication versatility
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## Education

### Washington University in St. Louis (WashU)

*May 2020*

- **MS in Computer Science**
  - **BS in Computer Science, Cum Laude**
  - GPA: 3.76
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## Technical Skills

- **Front-End:** TypeScript, React, JavaScript, AngularJS, Component-based Architecture, State Management
- **Backend & APIs:** Python, Node.js, REST API Design, GraphQL, Elasticsearch, .NET/C#, MCP
- **Tools & Infrastructure:** Git/GitHub, vLLM, Docker, Kubernetes, CI/CD, HAR Analysis

## Interests

- Creative Writing, Chess, Tabletop role-playing games.