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Jason Morrison

Pointwise AI

2022-2023 — COFOUNDER/PARTNER

https://pointwise.ai

Research, building products and prototypes, consulting:
- LLM copilot for building structured learning content: lessons, questions, learning objectives, rubrics, detailed scenarios for role play simulations. GPT-4, Chroma, Python.
- Interactive voice chatbot for educational role play. GPT-4, Deepgram, Django, React.
- LLM-driven automated scoring and feedback. GPT-4, Python.
- Productionized a PyTorch model from published research to support natural turn-taking in an interactive NLI/speech-to-text system. React, FastAPI/ASGI, PyTorch.

Minerva Project

https://minervaproject.com and https://minerva.edu

2021-2022 — VP OF ENGINEERING
2019–2021 — DIRECTOR OF ENGINEERING
2017–2019 — ENGINEERING MANAGER
2015–2017 — LEAD SOFTWARE ENGINEER
2013–2015 — SENIOR SOFTWARE ENGINEER

Key outcomes and projects as an engineer:
- Built an NLP-based college application scoring platform. Enabled the admissions team of 4 staff to manage 60 part-time work-study students who evaluated over 25,000 college applications annually, 80% during 4-week peak season. TensorFlow, scikit-learn, Django.
- Shipped features in Minerva's flagship classroom software Forum over many years. Python/Django, MySQL, React, WebRTC.
- Pitched and built Minerva Code Docs, a real-time multiplayer environment for learning to code including code execution backend. ShareDB, JupyterHub, Kubernetes, React.
- Built multiple generations of CI/CD/Ops. AWS, Docker, Kubernetes, Terraform.

As an engineering manager:
- Managed 11 engineers with an average tenure of 4 years. Supported 7 promotions.
- Ran sourcing, recruiting, and hiring. Served as hiring manager. Introduced a hiring rubric and employer branding site. 6:1 funnel from phone screens to offers. 40% of offers were accepted.

As Director and VPE of the 20-person Product Team:
- Coached engineers into EM positions and served as manager for these EMs.
- Managed projects including product engineering in our flagship B2B2C product, internal tools for admissions and enrollment, and technology migrations.
- Worked with C-suite, EMs, and PMs to build the strategic product roadmap. Wrote quarterly OKRs and project plans to align engineering with business.

Technologies

LLMs
SciKit-Learn
Python/Django
Next.js/React
Ruby/Rails

MySQL
PostgreSQL
Redis
ShareDB/OT
Yjs/CRDTs

AWS
Linux
Docker
Kubernetes

Education

Computer Science, B.S. 2007 at RIT

Learnist 2013 — SENIOR SOFTWARE ENGINEER

- Shipped features on the Learnist social learning platform. Rails, Angular, MySQL, Neo4J.

thoughtbot 2008–2011 — SOFTWARE ENGINEER

- Built and operated products for clients. Rails, MySQL, Heroku, Backbone.js.
- Developed and taught training courses on Ruby and Rails.
- Advised clients on customer validation and hypothesis-driven product development.

VistaPrint 2007–2008 — SOFTWARE ENGINEER

- Built and operated a browser-based WYSIWYG website builder, the first of VistaPrint's digital product line, on time and budget. I was the only new grad selected for the skunkworks team of otherwise senior staff engineers.

Thomson West 2005–2006 — SOFTWARE ENGINEER INTERN

- Shipped an internal tool for reviewing and curating internal NLP model results. J2EE, JSF.

RIT Finance & Administration 2004–2005 — SOFTWARE ENGINEER INTERN

- Implemented internal software tools for the university including staff time tracking, student housing selection, and business card design and printing. ColdFusion. J2EE, Oracle.