

Andrew K. Lorelle

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SUMMARY

Full stack developer with 6 years of experience in software development working with ML and ITSM software. Looking for either a full-stack or ML-focused role where I get the opportunity to work on interesting and complex problems.

SKILLS

Languages: C#, Python, JavaScript, TypeScript, SQL, HTML5, CSS, Java, Scala, PowerShell

Frameworks: .NET 4.8, ASP.NET, Angular 13+, MVC, jQuery, Node.js, DevExpress, MS SQL Server, NUnit, Selenium

ML Technologies: PyTorch, Tensorflow, spaCy, NLTK, Numpy, SciKit, Pandas, Elasticsearch

Tools: Visual Studio, PyCharm, Eclipse, GCP, TFS, Git, Github, SVN, JMeter, IIS, Azure, Docker, Windows, Linux

Process: Scrum, Agile, Waterfall, CI/CD

EXPERIENCE

Software Engineer, Machine Learning

01/2020 – 04/2023

SunView Software (acquired by Serviceaide 2021); Brandon, FL

- Main developer and owner of the ML feature set for ChangeGear, an ITSM software application, which included development and maintenance of the full stack including backend, API, and frontend components
- Regularly worked on the main product backend, which consisted of a .NET server connected to a SQL database that allowed ChangeGear to filter and deliver ticket data to end users through a set of RESTful APIs.
- Contributed to the web portal of ChangeGear, which was a SPA frontend that utilized an Angular framework.
- Recruited to work on the company's ML research team, a "skunkworks" group which researched cutting-edge AI technologies and came up with innovative new uses for machine learning in the IT field.
- Migrated ML backend from a legacy Scala codebase onto a new Python stack based on the Django framework.
- Upgraded "Suggestion Center" ML search feature across both ChangeGear and ML tech stacks in order to reduce the creation of redundant tickets and improve efficiency.
- Designed and built PII filtering scripts in Python to allow datasets from a production environment to both be safely used for ML model training and improve overall data security on the ChangeGear itself.
- Designed and developed code architecture that allowed ChangeGear to migrate from an on premise to a SaaS sales model.
- Leveraged Google Cloud Platform to train ML models that would be too complex for in-house hardware.

Junior Software Engineer

06/2017 – 01/2020

SunView Software; Brandon, FL

- Designed, prototyped, constructed, tested, and supported multiple features inside ChangeGear.
- Worked with NUnit and Selenium to expand the suite of automated tests across both codebases to reduce QA workload.
- Maintained codebases using both Git and SVN version control tools.
- Practiced agile software development, which consisted of daily standups, scrums, and biweekly sprints.
- Helped other team members with both code reviews and general mentorship.

Programmer Internship

05/2015 – 07/2015

Entangled Media; Dade City, FL

- Added new features to and helped maintain the active web app DealMyBrand.
- Improved web UI/UX while participating in design meetings for both active and experimental projects.
- Learned analytical, problem solving, and communication skills needed to navigate a professional office environment.

EDUCATION

Bachelor of Science in Computer Science

2012 - 2017

Minor in Physics

University of Florida, Honors Program,
Gainesville, Florida