

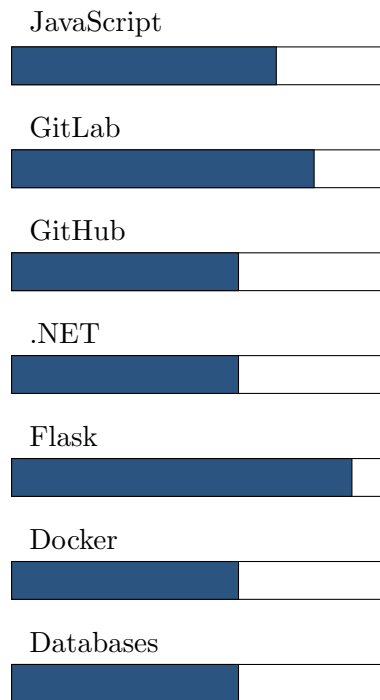
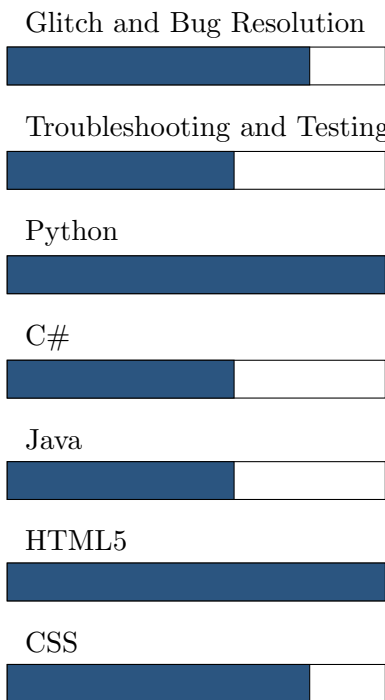
Paiktra Nom

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SUMMARY

Accomplished Full Stack Developer with 3 years of high-impact experience, highly regarded for developing web applications tailored for NASA's land data scientists. Proficiency in Python and JavaScript is demonstrated, with a proven track record of robust solution development to meet complex data processing needs. Capable in working independently and collaboratively within a team is showcased, prioritizing effective communication with team members and clients for ensuring successful project outcomes. This experience was gained through previous roles at NASA and USGS, reflecting a strong technical aptitude and commitment to excellence.

TECHNICAL PROFICIENCIES



WORK EXPERIENCE

AI Trainer - Coding

Remotasks

January 2024 – Present

Remote, United States

- Conducted rigorous analysis and evaluation of training code integrity for over 5 Large Language Model projects, ensuring accuracy and reliability through meticulous testing methodologies.
- Developed comprehensive and diverse training prompts covering various programming languages, including Python, C++, JavaScript, Java, and SQL, to enhance model proficiency and versatility.
- Expertly crafted training materials covering complex topics such as querying, security, software development, and algorithms, enriching the learning experience for AI models and developers alike.
- Collaborated with cross-functional teams to identify training needs and develop targeted curriculum content, resulting in a 30% increase in model performance and developer competency.
- Implemented quality assurance measures to monitor and track training progress, identifying areas for improvement and implementing corrective actions to optimize training outcomes.

WORK EXPERIENCE (CONT.)

Full Stack Developer

September 2020 – June 2023

USGS - Department of the Interior

USGS, SD, USA

Tech Environment: Agile Scrum Methodologies, GitLab, Jira**Languages/Frameworks** Python, Flask, Django, PHP, Perl, HTML, CSS, JavaScript**Databases:** PostgreSQL, MySQL**Infrastructure:** Docker, Kubernetes**Tools:** Jira (Task Management), GitLab (Repository), GitLab CI/CD (Pipeline), Rancher (Kubernetes Management)**Linux Distros:** CentOS 7, RHEL 8

- Worked in tandem with NASA's land data scientists to gather project requirements, culminating in the generation of more than 150 Jira tickets.
- Led the development of dozens of new features for a high-traffic website, catering to over 200,000 monthly visitors.
- Implemented Agile Scrum methodologies in a team of 3 software engineers, collaborating closely with the Product Manager to meet sprint quotas and ensure project alignment with client needs.
- Conducted thorough reviews of projects, identifying and updating over 100 outdated libraries across various programming languages, such as JavaScript and Python, to ensure compatibility and longevity.
- Developed and maintained the ASTER Emergency Scheduling Interface and Control System (AESICS), handling debugging, feature creation, and requirement gathering to enhance operational efficiency.
- Effectively transitioned numerous containerized applications from Python 2 to Python 3 using Docker and rigorous testing strategies. Ensured seamless application compatibility with contemporary standards and frameworks.
- Initiated the establishment of debugging environments for containerized applications, resulting in a notable improvement in task efficiency by approximately 20%.
- Piloted the creation of a podcast page leveraging Django and Wagtail CMS, providing visitors with additional resources for accessing information on NASA missions.
- Managed multiple projects simultaneously, prioritizing tasks, and facilitating the development of new features and enhanced project management strategies.

Software Engineer Internship

June 2020 – September 2020

EROS CalVal Center of Excellence

USGS, SD, USA

- Collaborated within a small team of Intern Engineers, reporting directly to the Lead Software Engineer, to support the development of applications and systems.
- Utilized Earth Explorer to gather and analyze data, presenting findings to the Lead Software Engineer for further analysis and integration.
- Conducted research on user interaction methods, focusing on implementing interactive map and text search functionalities for accessing various datasets, including Landsat satellite imagery, Radar data, UAS data, and more.
- Demonstrated proficiency in remote sensing technologies and satellite imagery, with a particular focus on Landsat, digital elevation models (DEM), and radar data.
- Tested system functionalities to ensure user-friendliness and usability, providing valuable feedback for system refinement and improvement.

EDUCATION

B.E.: Computer Science

August 2017 – May 2021

South Dakota State University - Brookings, SD

Minor: Mathematics and Software Engineering

Honors: Magna Cum Laude

Dean's list, five semesters

CERTIFICATIONS

AWS Cloud Practitioner Certification

May 2024

Expires: May 2027

Issued by Amazon Web Services Training and Certification