Frederick James Clarke

Experienced Third-Year Computer Science Student & Software Engineer

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SKILLS

Languages/Frameworks: Java (Spring, JUnit), Go, C, HTML, CSS (Bootstrap), JavaScript, Swift
Development Tools: Docker, Postman, Postgres, Jenkins, AWS, Git, Jira, Confluence, VS Code, JetBrains, Vim
Other: Agile Methodology (Scrum), Test-Driven Development, Project Management, CI/CD, Salesforce

EDUCATION

Purdue University *B.S. Computer Science (Security Track)*   ***Expected Graduation: May 2024***
Pursuing Certificate in Entrepreneurship and Innovation
Relevant Coursework: Systems Programming, Data Structures and Algorithms, Software Engineering, Computer
Architecture, Object Oriented Programming, C Programming, Web Development, iOS Development, Statistical Methods

WORK EXPERIENCE

Arity *Software Engineer Intern*   ***May 2022 – August 2022***
- Developed features and resolved bugs for ArityIQ API microservices using Java Spring framework and Go to deliver driver assessment scores to insurance companies whilst adhering to FCRA and insurance regulations
- Designed and executed unit and integration tests using JUnit and Mockito
- Wrote Flyway SQL scripts to perform Postgres database migrations
- Cleaned up redundant code and removed unused testing environments/pipelines to improve performance, raise code coverage, and save the business $10,000 monthly
- Implemented a custom AWS Lambda function to call the company billing API when triggered by an SQS event
- Actively participated in Scrum ceremonies, providing key input for effort estimation and sprint planning
- Accepted return offer for Summer 2023 internship

InVision *Business Technology Engineer/Analyst & IT Intern*   ***April 2021 – August 2021***
- Developed software to reduce time of IT audits by 50% and cut business costs by flagging inactive users
- Provided technical support to 100+ employees and ensured compliance of company technology policies using effective communication skills
- Gathered business requirements, developed test cases, participated in code reviews, and performed configuration for SaaS applications including Salesforce using Agile methodology
- Developed custom reactive Lightning Web Components for Salesforce using JavaScript and HTML to easily manage object Apex logs to allow for more effective debugging and issue tracking, with the ability to sort, search, and paginate records

Citihub Digital *Software Engineer Intern*   ***May 2020 – August 2020***
- Developed REST API in Go to interact with CI/CD pipelines in Gitlab and collect data on tests
- Gained experience using Git, developing in a team environment, and project management

ADDITIONAL EXPERIENCE

Kappa Sigma *President*   ***November 2021 – April 2022***
- Led all chapter operations and maintained key relations with important contacts from the university, national headquarters, alumni board, and housing corporation for 130 member organization
- Constructed and delivered in-depth plan to accelerate chapter growth and increase key performance indicators in areas including recruitment, academics, and philanthropy
- Successfully petitioned removal of university sanctions through holistic written appeal, returning organization to good standing for the first time in several years
- Managed $80,000 budget through concise, transparent communication with 20+ committee heads and chapter stakeholders

Kappa Sigma *Vice President*   ***March 2021 – November 2021***
- Directed recruitment of a record-breaking class of 45 new members, generating $1.48 million of top-line chapter revenue over a 3-year period and increased membership by 50%
- Established and led Diversity, Equity, and Inclusion Committee to educate members on DEI issues within the chapter and campus community
- Oversaw fundraising and volunteering initiatives, raising $10,000+ in one semester

Kappa Sigma *Judicial Board/Formal/Professional Development/Recruitment Head*   ***April 2022 – Present***
Purdue iOS Development Club *Treasurer*   ***April 2021 – January 2022***
Purdue Interfraternity Council *Executive Presidential Assistant*   ***January 2021 – September 2021***