



City of Seattle Boards & Commissions Notice of Appointment

Appointee Name: <i>Rachael Ludwick</i>		
Board/Commission Name: <i>Seattle Freight Advisory Board</i>		Position Title: <i>Member</i>
<input checked="" type="checkbox"/> Appointment OR <input type="checkbox"/> Reappointment	City Council Confirmation required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Appointing Authority: <input type="checkbox"/> City Council <input checked="" type="checkbox"/> Mayor <input type="checkbox"/> Other: <i>Fill in appointing authority</i>	Term of Position: * 6/1/2021 to 5/31/2023 <input checked="" type="checkbox"/> <i>Serving remaining term of a vacant position</i>	
Residential Neighborhood: <i>North Beacon Hill</i>	Zip Code: <i>98144</i>	Contact Phone No.: [REDACTED]
Background: <i>Rachael works in SODO, does not own a vehicle, and travels on public transit. She understands the need for improved infrastructure in industrial areas and recognizes that freight, from vans to semis, must work with all modes and support all people.</i>		
Authorizing Signature (original signature): <i>Bruce A. Harrell</i> Date Signed (appointed): 8/31/2022	Appointing Signatory: <i>Bruce A. Harrell</i> <i>Mayor of Seattle</i>	

*Term begin and end date is fixed and tied to the position and not the appointment date.

RACHAEL LUDWICK



Over twenty years of experience in software development in retail, finance, telecommunications, and consumer electronics for both backend and frontend.

EXPERIENCE

12/2015-PRESENT GLOWFORGE PRINCIPAL SOFTWARE ENGINEER

Lead developer building and maintaining cloud service software to drive an internet-connected home laser cutter and engraver. At times managed up to four team members. Primary lead and owner of major components of machine-server interaction, job processing, subscriptions, design management, motion planning and systems operations. Major personal development achievements include building a new engraver subsystem to support higher quality engraves, a re-architected motion planner to support greater flexibility, system metrics and logging throughout stack and Rails 5 migration, among many others.

12/2009-12/2015 AMAZON.COM SENIOR SOFTWARE ENGINEER

Founding member and technical leader for the Vertical Stores team (2014-present), building features for Outdoors and other categories in a cross-functional (dev, design, product management) team. Define and deliver features for the retail website on both mobile and desktop including a category page layout and a data-driven product information widget. Make high-level technical decisions such as technology stacks, integration test and deployment architecture, etc. Drive quality in a complicated website application stack with team owning features on several pages including browse and product detail. Provide guidance for other teams within the larger organization.

In Search Data Aggregation team (2012-2014), built features in a highly available, event-driven system populating product, offer and merchant information for Search using both a non-relational stack and legacy Oracle-based implementation. Worked with partner teams to define and develop the replacement platform for event-driven applications.

In Product Aggregator team (2009-2012), led and drove better test and operational practices, built features, planned major migrations and fixed significant performance and availability issues on critical website services vending product information for search, product and other pages. Served as one of the main contacts for internal customers and other development teams.

Mentorship and leadership: mentored numerous junior developers within my teams. Mentored outside my team including women interns through the Amazon Women in Engineering intern mentor program as

well as junior developers from other teams. Member of the Amazon Women in Engineering leadership team (2012-present), helping set direction and run events and programs.

Recruiting and hiring: Interviewed candidates regularly for my teams and became an organization-wide interviewer which requires additional training to lead the hiring decision while maintaining a high but fair assessment. Advocate for better interviewing and recruiting practices.

04/2008-12/2009 SONY CORPORATION OF AMERICA SOFTWARE ENGINEER

Developed and integrated a C++ client (for Linux and PS3) to online media store and a custom test server to drive automated testing. Improved and automated unit testing on a large existing set of components, including addition of code coverage and profiling.

Extended, maintained and added components in a large suite of media-related and infrastructure libraries to fulfill requests from internal groups developing consumer applications for PlayStation 3 and personal computers. Mentored and assisted QA engineers in creating tests and running applications.

04/2004-04/2008 KABIRA TECHNOLOGIES SENIOR CONSULTING ENGINEER

Kabira Technologies was the creator of the Kabira Transaction Platform (KTP), a proprietary C++-like language and platform for high-speed, transactional, highly-available, multi-threaded development of object-oriented applications, primarily for use in financial and telecommunications networks. Kabira has since joined Tibco.

Led development for a highly available, high performance credit authorization gateway for deployment in the Japanese market to link the CAFIS network to the Chinese CUPS network. Developed a highly available logging component for addition to KTP for ensuring logged records were written only once for all committed transactions even during a node failure.

Led a mixed software development team of Kabira engineers and application developers from a telecommunications hardware and software company to make an INAP to SIP gateway. Developed correlation and routing features for a messaging, charging and location services gateway application intended for deployment between a unified web front end and legacy network elements (using protocols SMPP, Nokia EAIF, MLP, and Ericsson Diameter). Provided technical mentoring to coworkers across departments. Regular reviewer of design and implementation of upcoming product features.

06/2001-04/2004 MEHL, GRIFFEN AND BARTEK, LTD. DEVELOPER

Developed a browser user interface using PHP and Javascript for a U.S. Air Force procurement workflow application. Wrote and executed a test plan for Win32 workflow application for previous version of above system. Developed user interface elements and backing implementation (table display, splash screen, search features) using MFC in Visual C++.

12/1997-12/1999 UNIVERSITY OF ARIZONA, ASTRONOMY DEPARTMENT STUDENT PROGRAMMER

Maintained several Red Hat Linux 6 machines for use by graduate students and professors. Maintained and improved a C language iterative deconvolution program being developed as part of a optics research program. Developed a CGI Perl web application for image archiving.

EDUCATION

BS in Computer Science, Minor in Mathematics
May 2001
University of Arizona, Tucson, Arizona

SKILLS

GENERAL

Service-oriented architectures, object-oriented software design and development, requirements analysis, developer and customer support, test-driven development, continuous build and deployment, legacy code archaeology, operations and issue analysis, performance testing and application profiling.

LANGUAGES

Ruby, Rust, Python, Java, JRuby, Javascript, Perl, C, C++, PHP, Shells (zsh, bash, ksh), Kabira Action Language.

PLATFORMS, FRAMEWORKS & OPERATING SYSTEMS

Kubernetes, Docker, Google Cloud, Ruby on Rails, Python Flask and Gunicorn, Tomcat, SpringMVC, Jekyll, Pebble SDK, Mason. Linux (Ubuntu, Red Hat), Solaris, PlayStation 3 (CellOS).

OTHER

HTML, CSS, SASS, jQuery, git, CVS, Perforce, Subversion, dbx, gdb, Oracle, PL/SQL, sqlite, MFC, UML, Rational Purify, gcc/g++, Sun Studio (Forte), Microsoft Visual Studio.

Seattle Freight Advisory Board

12 Members: Pursuant to Resolution 31243, 11 members subject to City Council confirmation, 2-year terms:

- 6 Mayor- appointed
- 5 City Council- appointed
- 1 Other Appointing Authority: Port of Seattle

Roster:

*D	**G	RD	Position No.	Position Title	Name	Term Begin Date	Term End Date	Term #	Appointed By
6	F	1	1.	Member	Kristal Fiser	6/1/2022	5/31/2024	1	City Council
		2	2.	Member	Dan McKisson	6/1/2022	5/31/2024	1	City Council
6	F	3	3.	Member	Rachael Ludwick	6/1/2021	5/31/2023	1	Mayor
6	M	-	4.	Member	Ron Viola	6/1/2022	5/31/2024	1	Mayor
6	M	-	5.	Member	Howard Victor Agnew	6/1/2022	5/31/2024	1	Mayor
6	M	-	6.	Member	Nigel Barron	6/1/2022	5/31/2024	1	Mayor
		-	7.	Member	Eric Wright	6/1/2021	5/31/2023	1	City Council
6	M	-	8.	Member	Al Muehlenbruch	6/1/2021	5/31/2023	1	City Council
		-	9.	Member	Daniel J. Kelly	6/1/2021	5/31/2023	1	Mayor
			10.	Member	Vacant	6/1/2021	5/31/2023		City Council
6	M	6	11.	Member	Stanley W. Ryter	6/1/2022	5/31/2024	1	Mayor
6	F		12.	Member	Geri Poor	N/A	N/A	N/A	Port of Seattle

SELF-IDENTIFIED DIVERSITY CHART

					(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Male	Female	Transgender	NB/ O/ U	Asian	Black/ African American	Hispanic/ Latino	American Indian/ Alaska Native	Other	Caucasian/ Non-Hispanic	Pacific Islander	Middle Eastern	Multiracial
Mayor	4	1								5			
Council	1	1								2			
Other		1								1			
Total	5	3								8			

Key:

- *D List the corresponding *Diversity Chart* number (1 through 9)
 - **G List *gender*, M= Male, F= Female, T= Transgender, NB= Non-Binary, O= Other, U= Unknown
 - RD Residential Council District number 1 through 7 or N/A
- Diversity information is self-identified and is voluntary.*